

# **Soil Pile Assessment and Disposal Project**

**Prepared for**

**McCall Oil and Chemical Facility  
Portland, Oregon**

**Prepared by**

**Creekside Environmental Consulting, LLC  
21790 SW Chehalis Court  
Tualatin, Oregon 97062  
(503) 692-8118**

**March 2001**

**USEPA SF**



**1372296**



March 21, 2001

Mr. John Golightly, Corporate Environmental & Safety Manager  
Great Western International  
5540 N.W. Front Avenue  
Portland, Oregon 97210

Subject: Soil Pile Assessment and Disposal Report  
McCall Oil & Chemical Corporation, Portland, Oregon  
CEC Project No. MOC-2001.02

Dear Mr. Golightly:

Creekside Environmental Consulting, LLC (Creekside) is pleased to submit to this letter report summarizing our findings, conclusions, and recommendations related to the assessment and waste disposal of approximately 170 cubic yards (334.38 tons) of petroleum-impacted soil previously stored at the McCall Oil & Chemical Corporation (McCall) facility located at 5480 NW Front Avenue in Portland, Oregon (see Figure 1). The purpose of this project was to assess several soil piles; identify appropriate waste disposal (or recycling) options; load, transport, and dispose of the soil at a State-licensed landfill (i.e., Hillsboro Landfill); and collect confirmatory samples in the subject area to determine the concentration of petroleum hydrocarbons in remaining onsite soils.

This report is organized in four sections, as follows: (1) Soil Pile Assessment and Special Waste Permitting; (2) Load, Transport, and Disposition; (3) Confirmatory Sampling and Analysis; and (4) Findings, Conclusions, and Recommendations.

## 1.0 SOIL PILE ASSESSMENT AND SPECIAL WASTE PERMITTING

On February 13, 2001, Creekside collected 11 composite soil samples from various soil piles at the subject site. A hand auger was used to collect the samples. Four discrete soil samples were combined to form each composite sample. The sampling locations were selected following discussions with McCall's Terminal Manager (Dave Baugher) and on field observations conducted by Creekside during site reconnaissance. Assessment methods used by Creekside for this project were consistent with Oregon Department of Environmental Quality (DEQ) and US Environmental Protection Agency (EPA) sampling protocols (i.e., EPA Method SW-846).

Mr. John Golightly  
March 21, 2001  
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A trained field technician wore clean rubber gloves and used new or decontaminated equipment during sampling. Sampling equipment was thoroughly decontaminated prior to collection of each sample. The decontamination procedures used for this project are described below:

1. Wash and scrub the equipment in a solution of Liquinox and water.
2. Rinse in bottled water.
3. Visually inspect the equipment for any residual soil or substances. If residuals remained, Steps 1 and 2 above were repeated until they were removed.
4. Rinse with deionized water.
5. Wipe the equipment with clean paper towels.

The samples were placed in an iced cooler and transported to North Creek Analytical (NCA), a State-certified, licensed laboratory located in Beaverton, Oregon. The samples were properly containerized in clean, glass, labeled jars; and analyzed for total petroleum hydrocarbons using method NWTPH-HCID. NCA chain-of-custody forms were completed and sent with the samples during transportation.

Laboratory test results (see Attachment A) indicated that 10 (of the 11) samples contained TPH in the heavy oil and/or diesel ranges. Heavy oil was detected in concentrations that ranged from 749 milligrams per kilogram (mg/kg, or parts per million [ppm]) to 9,660 ppm. The average heavy oil concentration was 2,401 ppm. Diesel was detected in concentrations that ranged from 253 ppm to 5,730 ppm. The average diesel concentration was 819 ppm. Based on the laboratory data and on information provided by McCall, the soil piles were not classified as an EPA or DEQ hazardous waste. However, since the soil piles contained elevated TPH levels, Waste Management, Inc. (WMI) classified them as a Special Waste. Creekside completed the appropriate waste profile forms and obtained a Special Waste Permit for McCall (see Attachment B).

## 2.0 LOAD, TRANSPORT, AND DISPOSITION

Creekside hired Clearwater Environmental Services, Inc. (CES) to load and transport approximately 170 cubic yards (334.38 tons) of soil from the McCall facility to the Hillsboro landfill, which is owned and operated by WMI. On March 5 and March 6, 2001, CES loaded the soils into dump trucks, completed the appropriate shipping papers, and transported the soils to the Hillsboro Landfill. The soils were used for "daily cover" at the landfill. Copies of bill of lading forms and weight tickets for this project are provided in Attachment C.

### **3.0 CONFIRMATORY SAMPLING AND ANALYSIS**

Creekside divided the subject area into eight sections and developed a grid map for the area formerly used to temporarily store the TPH-impacted soil (see Figure 2). The map consists of eight 30-foot by 20-foot cells. Using a decontaminated hand auger, five discrete samples were collected from about 12 to 16 inches below ground surface in each cell, as illustrated in the patterns shown in Figure 2. Sample locations and methods were previously discussed and agreed upon by Creekside, GWI, and McCall personnel. The samples from each cell were composited and submitted to NCA for analysis. The eight composite samples were analyzed for TPH-HCID. NCA was also asked to quantify petroleum detections.

Laboratory test results from confirmatory sampling (see Attachment D) indicated that three (of the eight) samples contained total petroleum hydrocarbons in the diesel-range (TPH-Dx). The concentrations in this range varied from 93.4 ppm to 1,020 ppm. The average TPH-Dx concentration was 272 ppm. Furthermore, the test results indicated that seven (of the eight) samples contained TPH in the heavy oil range. Heavy oil was detected in concentrations that ranged from 65.4 ppm to 6,300 ppm. The average heavy oil concentration was 1,199 ppm. At McCall's request, Creekside arranged to further evaluate the eight composite samples for Resource Conservation and Recovery Act (RCRA)-8 metals, volatile organic compounds (VOC's), and semi-volatile organic compounds (SVOC's) using EPA methods 6000/7000 series, 8260B, and 8270C, respectively. The laboratory test results indicated that there were no detections of VOC's or SVOC's. Furthermore, regulated metals in the soils reflected normal background concentrations (Ref.: Publication #94-115, Washington Department of Ecology, October 1994; and Table 1, page C-2, "Soil Concentrations in Oregon", Department of Environmental Quality Study, August 1992).

### **4.0 FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS**

The following findings, conclusions, and recommendations are based on laboratory test results provided by NCA, discussions with McCall and GWI personnel, and onsite reconnaissance conducted by Creekside in February and March 2001:

- The soil piles were not classified as hazardous waste. However, since the soils had elevated TPH levels, McCall was required to classify them as a Special Waste, which required a Special Waste Permit. The landfill operator (WMI) used the TPH-impacted soil for daily landfill cover.
- Confirmatory sampling after excavation indicated that remaining onsite soils contain elevated levels of TPH in the diesel and heavy oil ranges; however there were no VOC or SVOC detections above standard laboratory method reporting limits, and regulated metal concentrations (evaluated for this assessment) were within expected "background" ranges.

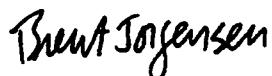
Mr. John Golightly  
March 21, 2001  
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- Creekside understands that a facility-wide investigation, overseen by DEQ, is in progress at the McCall facility. We recommend that information contained in this letter report be made available for use in that investigation.

Creekside appreciates the opportunity to be of service to McCall Oil & Chemical Corporation. If you have questions concerning this letter report, or require further assistance, please contact me at (503) 692-8118, or (503) 780-0474.

Sincerely,

CREEKSIDE ENVIRONMENTAL CONSULTING, LLC



Brent Jorgensen, CHMM  
Principal

BRJ:brj

Attachments: Figure 1 (Site Location Map), Figure 2 (Sampling Map), Attachment A (Laboratory Test Results from Soil Piles), Attachment B (Waste Profile Forms, and Special Waste Permit), Attachment C (Transportation and Waste Disposal Documentation), Attachment D (Laboratory Test Results from Confirmatory Sampling), Attachment E (Site Photos)

## Site Location Map - Figure 1

(b)(4) copyright



**ATTACHMENT A**  
**LABORATORY TEST RESULTS FROM PILES**



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

27 February, 2001

Brent Jorgensen  
Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

RE: McCall / GWI Mounds

Enclosed are the results of analyses for samples received by the laboratory on 02/14/01 13:11. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "doug mckenzie". A small, curved mark or flourish is present to the right of the signature.

Doug McKenzie  
Project Manager



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin OR, 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Reported:  
27/2/01

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MOC-2-13-2	P1B0349-02	Soil	13/2/01	14/2/01
MOC-2-13-3	P1B0349-03	Soil	13/2/01	14/2/01
MOC-2-13-4	P1B0349-04	Soil	13/2/01	14/2/01
MOC-2-13-5	P1B0349-05	Soil	13/2/01	14/2/01
MOC-2-13-6	P1B0349-06	Soil	13/2/01	14/2/01
MOC-2-13-7	P1B0349-07	Soil	13/2/01	14/2/01
MOC-2-13-8	P1B0349-08	Soil	13/2/01	14/2/01
MOC-2-13-9	P1B0349-09	Soil	13/2/01	14/2/01
MOC-2-13-10	P1B0349-10	Soil	13/2/01	14/2/01
MOC-2-13-11	P1B0349-11	Soil	13/2/01	14/2/01

North Creek Analytical - Portland

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Doug McKenzie, Project Manager



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
 425.420.9200 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
 21790 SW Chehalis Court  
 Tualatin OR, 97062

Project: McCall / GWI Mounds  
 Project Number: N/A  
 Project Manager: Brent Jorgensen

Reported:  
 27/2/01

### Hydrocarbon Identification per NW-TPH Methodology

#### North Creek Analytical - Portland

Analyte	Reporting								
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MOC-2-13-1 (P1B0349-01) Soil	Sampled: 13/2/01	Received: 14/2/01							
Gasoline Range Hydrocarbons	ND	20.0	mg/kg dry	1	1020489	16/2/01	19/2/01	NWTPH HCID	
Diesel Range Hydrocarbons	DET	50.0	"	"	"	"	"	"	"
Heavy Oil Range Hydrocarbons	DET	100	"	"	"	"	"	"	"
Surrogate: 1-Chlorooctadecane	100 %	50-150			"	"	"	"	"
MOC-2-13-2 (P1B0349-02) Soil	Sampled: 13/2/01	Received: 14/2/01							
Gasoline Range Hydrocarbons	ND	20.0	mg/kg dry	1	1020489	16/2/01	19/2/01	NWTPH HCID	
Diesel Range Hydrocarbons	ND	50.0	"	"	"	"	"	"	"
Heavy Oil Range Hydrocarbons	ND	100	"	"	"	"	"	"	"
Surrogate: 1-Chlorooctadecane	139 %	50-150			"	"	"	"	"
MOC-2-13-3 (P1B0349-03) Soil	Sampled: 13/2/01	Received: 14/2/01							
Gasoline Range Hydrocarbons	ND	20.0	mg/kg dry	1	1020489	16/2/01	19/2/01	NWTPH HCID	
Diesel Range Hydrocarbons	DET	50.0	"	"	"	"	"	"	"
Heavy Oil Range Hydrocarbons	DET	100	"	"	"	"	"	"	"
Surrogate: 1-Chlorooctadecane	104 %	50-150			"	"	"	"	"
MOC-2-13-4 (P1B0349-04) Soil	Sampled: 13/2/01	Received: 14/2/01							
Gasoline Range Hydrocarbons	ND	20.0	mg/kg dry	1	1020489	16/2/01	20/2/01	NWTPH HCID	
Diesel Range Hydrocarbons	DET	50.0	"	"	"	"	"	"	"
Heavy Oil Range Hydrocarbons	DET	100	"	"	"	"	"	"	"
Surrogate: 1-Chlorooctadecane	103 %	50-150			"	"	"	"	"
MOC-2-13-5 (P1B0349-05) Soil	Sampled: 13/2/01	Received: 14/2/01							
Gasoline Range Hydrocarbons	ND	20.0	mg/kg dry	1	1020489	16/2/01	20/2/01	NWTPH HCID	
Diesel Range Hydrocarbons	DET	50.0	"	"	"	"	"	"	"
Heavy Oil Range Hydrocarbons	DET	100	"	"	"	"	"	"	"
Surrogate: 1-Chlorooctadecane	113 %	50-150			"	"	"	"	"

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DGM

Doug McKenzie, Project Manager

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21790 SW Chehalis Court  
Tualatin OR, 97062

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
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Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Project: McCall / GWI Mounds	
Project Number: N/A	Reported:
Project Manager: Brent Jorgensen	27/2/01

### Hydrocarbon Identification per NW-TPH Methodology

#### North Creek Analytical - Portland

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>MOC-2-13-6 (P1B0349-06) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Gasoline Range Hydrocarbons	ND	20.0	mg/kg dry	1	1020489	16/2/01	20/2/01	NWTPH HCID	
Diesel Range Hydrocarbons	DET	50.0	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	DET	100	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>	<i>104 %</i>	<i>50-150</i>							
<b>MOC-2-13-7 (P1B0349-07) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Gasoline Range Hydrocarbons	ND	20.0	mg/kg dry	1	1020489	16/2/01	20/2/01	NWTPH HCID	
Diesel Range Hydrocarbons	DET	50.0	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	DET	100	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>	<i>140 %</i>	<i>50-150</i>							
<b>MOC-2-13-8 (P1B0349-08) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Gasoline Range Hydrocarbons	ND	20.0	mg/kg dry	1	1020489	16/2/01	20/2/01	NWTPH HCID	
Diesel Range Hydrocarbons	DET	50.0	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	DET	100	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>	<i>103 %</i>	<i>50-150</i>							
<b>MOC-2-13-9 (P1B0349-09) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Gasoline Range Hydrocarbons	ND	20.0	mg/kg dry	1	1020489	16/2/01	21/2/01	NWTPH HCID	
Diesel Range Hydrocarbons	DET	50.0	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	DET	100	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>	<i>125 %</i>	<i>50-150</i>							
<b>MOC-2-13-10 (P1B0349-10) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Gasoline Range Hydrocarbons	ND	20.0	mg/kg dry	1	1020489	16/2/01	21/2/01	NWTPH HCID	
Diesel Range Hydrocarbons	DET	50.0	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	DET	100	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>	<i>102 %</i>	<i>50-150</i>							

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425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9280  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin OR, 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Reported:  
27/2/01

### Hydrocarbon Identification per NW-TPH Methodology

#### North Creek Analytical - Portland

Analyte	Reporting									
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
<b>MOC-2-13-11 (P1B0349-11) Soil Sampled: 13/2/01 Received: 14/2/01</b>										
Gasoline Range Hydrocarbons	ND	20.0	mg/kg dry	1	1020498	16/2/01	20/2/01	NWTPH HCID	"	
Diesel Range Hydrocarbons	DET	50.0	"	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	DET	100	"	"	"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	120 %	50-150		"	"	"	"	"	"	

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*DGM*  
Doug McKenzie, Project Manager

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 425.420.9200 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
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 Project Manager: Brent Jorgensen

Reported:  
27/2/01

### Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method

#### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MOC-2-13-1 (P1B0349-01) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Diesel Range Organics	323	50.0	mg/kg dry	2	1020655	22/2/01	23/2/01	NWTPH-Dx	A-01a,R-02
Heavy Oil Range Hydrocarbons	749	100	"	"	"	"	"	"	A-01a,R-02
Surrogate: 1-Chlorooctadecane	81.3 %	50-150			"	"	"	"	
<b>MOC-2-13-3 (P1B0349-03) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Diesel Range Organics	529	50.0	mg/kg dry	2	1020655	22/2/01	23/2/01	NWTPH-Dx	A-01a,R-02
Heavy Oil Range Hydrocarbons	1120	100	"	"	"	"	"	"	A-01a,R-02
Surrogate: 1-Chlorooctadecane	86.0 %	50-150			"	"	"	"	
<b>MOC-2-13-4 (P1B0349-04) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Diesel Range Organics	253	50.0	mg/kg dry	2	1020655	22/2/01	23/2/01	NWTPH-Dx	A-01a,R-02
Heavy Oil Range Hydrocarbons	715	100	"	"	"	"	"	"	R-02
Surrogate: 1-Chlorooctadecane	91.2 %	50-150			"	"	"	"	
<b>MOC-2-13-5 (P1B0349-05) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Diesel Range Organics	771	500	mg/kg dry	20	1020655	22/2/01	22/2/01	NWTPH-Dx	A-01a,R-02
Heavy Oil Range Hydrocarbons	1160	1000	"	"	"	"	"	"	A-01a,R-02
Surrogate: 1-Chlorooctadecane	%	50-150			"	"	"	"	S-01
<b>MOC-2-13-6 (P1B0349-06) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Diesel Range Organics	558	500	mg/kg dry	20	1020655	22/2/01	22/2/01	NWTPH-Dx	A-01a,R-02
Heavy Oil Range Hydrocarbons	1380	1000	"	"	"	"	"	"	A-01a,R-02
Surrogate: 1-Chlorooctadecane	%	50-150			"	"	"	"	S-01
<b>MOC-2-13-7 (P1B0349-07) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Diesel Range Organics	ND	500	mg/kg dry	20	1020655	22/2/01	22/2/01	NWTPH-Dx	R-02
Heavy Oil Range Hydrocarbons	1870	1000	"	"	"	"	"	"	R-02
Surrogate: 1-Chlorooctadecane	93.8 %	50-150			"	"	"	"	

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

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Project Number: N/A  
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Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
27/2/01

### Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method

#### North Creek Analytical - Portland

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>MOC-2-13-8 (P1B0349-08) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Diesel Range Organics	432	400	mg/kg dry	20	1020655	22/2/01	22/2/01	NWTPH-Dx	A-01,R-07
Heavy Oil Range Hydrocarbons	1540	1000	"	"	"	"	"	"	R-02
Surrogate: 1-Chlorooctadecane	%	50-150			"	"	"	"	S-01
<b>MOC-2-13-9 (P1B0349-09) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Diesel Range Organics	ND	500	mg/kg dry	20	1020655	22/2/01	22/2/01	NWTPH-Dx	R-02
Heavy Oil Range Hydrocarbons	9660	1000	"	"	"	"	"	"	R-02
Surrogate: 1-Chlorooctadecane	109 %	50-150			"	"	"	"	
<b>MOC-2-13-10 (P1B0349-10) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Diesel Range Organics	5730	500	mg/kg dry	20	1020655	22/2/01	22/2/01	NWTPH-Dx	A-01a,R-02
Heavy Oil Range Hydrocarbons	6700	1000	"	"	"	"	"	"	A-01a,R-02
Surrogate: 1-Chlorooctadecane	%	50-150			"	"	"	"	S-01
<b>MOC-2-13-11 (P1B0349-11) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
Diesel Range Organics	845	500	mg/kg dry	20	1020655	22/2/01	22/2/01	NWTPH-Dx	A-01a,R-02
Heavy Oil Range Hydrocarbons	1520	1000	"	"	"	"	"	"	A-01a,R-02
Surrogate: 1-Chlorooctadecane	%	50-150			"	"	"	"	S-01

North Creek Analytical - Portland

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Doug McKenzie, Project Manager



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99208-4776  
509.924.9200 fax 509.924.9230  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin OR, 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Reported:  
27/2/01

### Percent Dry Weight (Solids) per Standard Methods

#### North Creek Analytical - Portland

Analyte	Reporting								
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MOC-2-13-1 (P1B0349-01) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
% Solids	88.7	1.00%	by Weigh	1	1020446	15/2/01	16/2/01	NCA SOP	
<b>MOC-2-13-2 (P1B0349-02) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
% Solids	83.8	1.00%	by Weigh	1	1020446	15/2/01	16/2/01	NCA SOP	
<b>MOC-2-13-3 (P1B0349-03) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
% Solids	88.8	1.00%	by Weigh	1	1020446	15/2/01	16/2/01	NCA SOP	
<b>MOC-2-13-4 (P1B0349-04) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
% Solids	88.1	1.00%	by Weigh	1	1020446	15/2/01	16/2/01	NCA SOP	
<b>MOC-2-13-5 (P1B0349-05) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
% Solids	90.1	1.00%	by Weigh	1	1020446	15/2/01	16/2/01	NCA SOP	
<b>MOC-2-13-6 (P1B0349-06) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
% Solids	92.0	1.00%	by Weigh	1	1020446	15/2/01	16/2/01	NCA SOP	
<b>MOC-2-13-7 (P1B0349-07) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
% Solids	93.3	1.00%	by Weigh	1	1020446	15/2/01	16/2/01	NCA SOP	
<b>MOC-2-13-8 (P1B0349-08) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
% Solids	91.0	1.00%	by Weigh	1	1020446	15/2/01	16/2/01	NCA SOP	
<b>MOC-2-13-9 (P1B0349-09) Soil Sampled: 13/2/01 Received: 14/2/01</b>									
% Solids	88.4	1.00%	by Weigh	1	1020446	15/2/01	16/2/01	NCA SOP	

North Creek Analytical - Portland

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North Creek Analytical, Inc. Page 7 of 12  
Environmental Laboratory Network



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-5244  
425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin OR, 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Reported:  
27/2/01

**Percent Dry Weight (Solids) per Standard Methods**

**North Creek Analytical - Portland**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>MOC-2-13-10 (P1B0349-10) Soil</b> Sampled: 13/2/01 Received: 14/2/01									
% Solids	92.0	1.00%	by Weigh	1	1020446	15/2/01	16/2/01	NCA SOP	
<b>MOC-2-13-11 (P1B0349-11) Soil</b> Sampled: 13/2/01 Received: 14/2/01									
% Solids	89.6	1.00%	by Weigh	1	1020446	15/2/01	16/2/01	NCA SOP	

North Creek Analytical - Portland

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**North Creek Analytical, Inc** Page Page 8 of 12  
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Creekside Environmental Consulting-Tualatin  
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Tualatin OR, 97062

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425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.908.9200 fax 503.908.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin 21790 SW Chehalis Court Tualatin OR, 97062	Project: McCall / GWI Mounds Project Number: N/A Project Manager: Brent Jorgensen	Reported: 27/2/01
--	---	----------------------

**Hydrocarbon Identification per NW-TPH Methodology - Quality Control**  
**North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 1020489: Prepared 16/2/01 Using TPH-HCID Extraction**

**Blank (1020489-BLK1)**

Gasoline Range Hydrocarbons	ND	20.0 mg/kg wet
Diesel Range Hydrocarbons	ND	50.0 "
Heavy Oil Range Hydrocarbons	ND	100 "

*Surrogate: 1-Chlorooctadecane*

*DET " 3.96 107 50-150*

**Duplicate (1020489-DUP1)**

Gasoline Range Hydrocarbons	ND	20.0 mg/kg dry	DET	50	Q-16
Diesel Range Hydrocarbons	ND	50.0 "	DET	50	Q-16
Heavy Oil Range Hydrocarbons	ND	100 "	DET	50	Q-16

*Surrogate: 1-Chlorooctadecane*

*DET " 4.82 132 50-150*

**Duplicate (1020489-DUP2)**

Gasoline Range Hydrocarbons	ND	20.0 mg/kg dry	ND	50	
Diesel Range Hydrocarbons	DET	50.0 "	DET	8.43	50
Heavy Oil Range Hydrocarbons	DET	100 "	DET	3.01	50
<i>Surrogate: 1-Chlorooctadecane</i>	<i>DET</i>	<i>" 4.46</i>	<i>108</i>	<i>50-150</i>	

**Batch 1020498: Prepared 16/2/01 Using TPH-HCID Extraction**

**Blank (1020498-BLK1)**

Gasoline Range Hydrocarbons	ND	20.0 mg/kg wet
Diesel Range Hydrocarbons	ND	50.0 "
Heavy Oil Range Hydrocarbons	ND	100 "

*Surrogate: 1-Chlorooctadecane*

*DET " 3.96 91.4 50-150*

**Duplicate (1020498-DUP1)**

Gasoline Range Hydrocarbons	ND	20.0 mg/kg dry	ND	50	
Diesel Range Hydrocarbons	DET	50.0 "	DET	130	50
Heavy Oil Range Hydrocarbons	DET	100 "	DET	97.5	50
<i>Surrogate: 1-Chlorooctadecane</i>	<i>DET</i>	<i>" 4.42</i>	<i>103</i>	<i>50-150</i>	

North Creek Analytical - Portland

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North Creek Analytical, Inc. Page 9 of 12  
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin OR, 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Reported:  
27/2/01

Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method - Quality Control  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1020655: Prepared 22/2/01 Using EPA 3550 Fuels</b>										
<b>Blank (1020655-BLK1)</b>										
Diesel Range Organics	ND	25.0	mg/kg wet							
Heavy Oil Range Hydrocarbons	ND	50.0	"							
<i>Surrogate: 1-Chlorooctadecane</i>	5.03	"		4.80		105	50-150			
<b>LCS (1020655-BS1)</b>										
Diesel Range Organics	102	25.0	mg/kg wet	129		79.1	50-150			
Heavy Oil Range Hydrocarbons	67.9	50.0	"	79.0		85.9	50-150			
<i>Surrogate: 1-Chlorooctadecane</i>	4.86	"		4.80		101	50-150			
<b>Duplicate (1020655-DUP1)</b>										
Diesel Range Organics	ND	500	mg/kg dry		ND			50	R-02	
Heavy Oil Range Hydrocarbons	10600	1000	"		9660			9.28	50	R-02
<i>Surrogate: 1-Chlorooctadecane</i>	6.18	"		5.43		114	50-150			
<b>Duplicate (1020655-DUP2)</b>										
Diesel Range Organics	227	50.0	mg/kg dry		253			10.8	50	R-02
Heavy Oil Range Hydrocarbons	633	100	"		715			12.2	50	R-02
<i>Surrogate: 1-Chlorooctadecane</i>	4.95	"		5.45		90.8	50-150			

North Creek Analytical - Portland

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North Creek Analytical, InPage Page 10 of 12  
Environmental Laboratory Network



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425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9280  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin OR, 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Reported:  
27/2/01

**Percent Dry Weight (Solids) per Standard Methods - Quality Control**  
**North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 1020446: Prepared 15/2/01 Using Dry Weight**

Duplicate (1020446-DUP1)		Source: P1B0322-06					
% Solids	78.8	1.00 % by Weight		78.5		0.381	20
Duplicate (1020446-DUP2)		Source: P1B0349-05					
% Solids	90.1	1.00 % by Weight		90.1		0.00	20

North Creek Analytical - Portland

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North Creek Analytical, InPage Page 11 of 12  
Environmental Laboratory Network



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509.924.9200 fax 509.924.9290  
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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin OR, 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Reported:  
27/2/01

#### Notes and Definitions

A-01

A-01a Detected hydrocarbons appear to be due to biogenic interference or a light weight oil.

Q-14 The Spike Recovery and/or RPD is outside of control limits due to a non-homogeneous sample matrix.

Q-16 RPD is not applicable for analyte concentrations less than 5 times the MRL.

R-02 The reporting limit for this analyte was raised due to the high analyte concentration present in the sample.

R-07 Reporting limit raised due to dilution necessary for analysis. Reporting limit adjusted to report quantitation below the MRL, but within the calibration range.

S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

North Creek Analytical - Portland

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**North Creek Analytical, InPage Page 12 of 12  
Environmental Laboratory Network**



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 East 11115 Montgomery, Suite B, Spokane, WA 98206-4776  
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132  
 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 (425) 420-9200 (509) 924-9200 (503) 906-9200 (541) 383-9310  
 FAX 420-9210 FAX 924-9290 FAX 906-9210 FAX 382-7588


## CHAIN OF CUSTODY REPORT

Work Order #: P1B0349

CLIENT: Creekside Environmental /		INVOICE TO: same		TURNAROUND REQUEST In Business Days*											
REPORT TO: Brent Jorgenson				<table border="1"> <tr><td>10</td><td>7</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td>&lt;1</td></tr> </table>				10	7	5	4	3	2	1	<1
10	7	5	4	3	2	1	<1								
ADDRESS: 21790 SW Cle Elum's Court Tualatin, Oregon 97062		P.O. NUMBER:		<table border="1"> <tr><td>STD.</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td>&lt;1</td></tr> </table>				STD.	5	4	3	2	1	<1	
STD.	5	4	3	2	1	<1									
PHONE: 503-692-8118 FAX: 503-885-9702		PROJECT NAME: McCall / GWI mounds		Organic & Inorganic Analyses											
PROJECT NUMBER:				Petroleum Hydrocarbon Analyses											
SAMPLED BY: SC				Please Specify											
				OTHER											
<small>*Turnaround Requests less than standard may incur Rush Charge.</small>															
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	TPH	HCID	TPH	HCID	MATRIX (W, S, O)	# OF CONT.	COMMENTS	NC ID						
1.MOC-2-13-1	2-13-01 / 17:10	X	X			S	1								
2.MOC-2-13-2	2-13-01 / 17:10	X	X			S	1								
3.MOC-2-13-3	2-13-01 / 17:10	X	X			S	1								
4.MOC-2-13-4	2-13-01 / 17:10	X	X			S	1								
5.MOC-2-13-5	2-13-01 / 17:10	X	X			S	1								
6.MOC-2-13-6	2-13-01 / 17:10	X	X			S	1								
7.MOC-2-13-7	2-13-01 / 17:10	X	X			S	1								
8.MOC-2-13-8	2-13-01 / 17:10	X	X			S	1								
9.MOC-2-13-9	2-13-01 / 17:10	X	X			S	1								
10.MOC-2-13-10	2-13-01 / 17:10	X	X												
11.MOC-2-13-11	2-13-01 / 17:10	X	X												
12.															
13.															
14.															
15.															
RELINQUISHED BY: Sean Callin	FIRM: Creekside	DATE: 2-14-01	TIME: 11:30	RECEIVED BY: Bill Farney	Rachel Arruda	DATE: 2/14/01	TIME: 11:30								
PRINT NAME: Sean Callin	FIRM: Creekside	PRINT NAME: Bill Farney	PRINT NAME: Rachel Arruda	FIRM: NCA	FIRM: NCA	DATE: 2/14/01	TIME: 11:30								
RELINQUISHED BY: Bill Farney	FIRM:	DATE:	TIME:	RECEIVED BY: Rachel Arruda	PRINT NAME: Rachel Arruda	DATE: 2/14/01	TIME: 13:11								
PRINT NAME: Bill Farney	FIRM:	PRINT NAME: Rachel Arruda	FIRM: NCA	TEMP:	PAGE	OF									
ADDITIONAL REMARKS:															
COC REV 3/99															

**ATTACHMENT B**  
**WASTE PROFILE FORMS AND SPECIAL WASTE**  
**PERMIT**



Columbia Ridge, Hillsboro, Riverbend, Graham Road, Capitol, Wenatchee

Profile Number: \_\_\_\_\_  
Expiration Date: \_\_\_\_\_

## WASTE PROFILE SHEET TERMS & CONDITIONS

Service Agreement on File?

Yes  No

This form is to be used to comply with the requirements of governmental waste screening criteria.

Profile Addendum Attached?

Yes  No

1. Generator/Site Name:	McCall Oil & Chemical Co.	2. SIC Code:	_____
3. Site Address:	5480 NW Front Ave,	4. Site City:	Portland
5. Site State:	OR	7. Zip Code:	97210
8. Generator USEPA/Federal ID#:	_____	9. Site Phone:	(503) 221 5755
10. Customer Name:	Creekside Environmental	11. Customer Phone:	(503) 692 8118
12. Customer Contact:	Brent Johnson	13. Customer FAX:	(503) 885 9702

Environmental Emergency Response Information

1. Waste Description, Category:	Soil with Oil/Asphalt	Billing Address:	21790 SW Chapman Cr Tualatin OR 97062
2. State Waste Code:	_____	3. Process Generating Waste:	Excavated Soil from cleanup

5. Transporter/Transfer Station:	6. Shipping Method:	Truck	
7. Estimated Quantity (Weight & Vol.):	150 TONS /100 yd <sup>3</sup>	per <input checked="" type="checkbox"/> Job <input type="checkbox"/> Year <input type="checkbox"/> Other	
8. Delivery Date(s):	March 2001	_____	
9. Personal Protective Equipment Requirements:	_____	_____	
10. Is this a US Dept. of Transportation (USDOT) Hazardous Material?	11. Reportable Quantity:	N/A	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If no, skip 10, 11 and 12)	_____	_____	
12. Hazard Class / I.D. #:	N/A	13. Shipping Name:	_____

Check if additional information is attached. Indicate the number of attached pages: See Attached lab results

1. Is the waste represented by this waste profile sheet a "Hazardous Waste" as defined by USEPA, Canadian, Mexican, State, or Provincial regulation?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2. Does the waste represented by this waste profile sheet contain regulated radioactive material or regulated concentrations of Polychlorinated Biphenyls (PCBs)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
3. Does this waste profile sheet and all attachments contain true and accurate descriptions of the waste material?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
4. Has all relevant information within the possession of the Generator and Customer regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
5. Is the analytical data attached hereto derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
6. Will all changes that occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

D. WASTE PROFILE SHEET SIGNATURES

1. Management Method:	_____	2. Designated Facility:	_____	3. Hours of acceptance:	_____	<input type="checkbox"/> N/A
4. Precautions, Special Handling Procedures, or Limitations on Approval:	_____	_____	_____	_____	_____	_____

Generic Approval:  Yes  No      Special Waste Decision:  Approved  Disapproved

Sales Person: \_\_\_\_\_ Date: \_\_\_\_\_ Technical Manager: \_\_\_\_\_ Date: \_\_\_\_\_

GENERATOR AND CUSTOMER MUST READ AND SIGN REVERSE HEREOF INITIAL \_\_\_\_\_

INITIAL \_\_\_\_\_

WASTE MANAGEMENT, INC....NON HAZARDOUS WASTE DISPOSAL SOLUTIONS FOR THE PACIFIC NORTHWEST

**Hillsboro Landfill, Inc.**

3205 SE MINTER BRIDGE ROAD HILLSBORO, OR 97123

**PERMIT # 5551*****PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS***

EXPIRES: 5/26/01

**GENERATOR: MCCALL OIL & CHEMICAL**

DESCRIPTION: PCS W/ ASPHALT (1-5%)	TONS: 50
<input type="checkbox"/> SPECIAL WASTE <input checked="" type="checkbox"/> CS <input type="checkbox"/> CLEAN-UP MATERIAL	
LOCATION: PORTLAND, OREGON	COUNTY: Multnomah
CONTACT: BRENT JORGENSEN	PHONE: 503-692-8118

BILLING: Landfill account CREEKSIDE ENVIRONMENTAL	PO#: N/A	JOB#: N/A
---	----------	-----------

We accept business checks, cash, VISA / Mastercard or charge (with prior approval)

SPECIAL HANDLING : NOTE:  
HAULER: ?

DL



APPROVED:

KRISTIN CASTNER

DATE: 02/26/01 1:32:59 PM

**A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER**  
 THERE IS A MINIMUM CHARGE OF \$50-\$60 FOR EACH LOAD OF SPECIAL WASTE



**WASTE MANAGEMENT**  
**HAZARDOUS WASTE IS STRICTLY PROHIBITED**

**ATTACHMENT C**  
**WASTE DISPOSAL DOCUMENTATION**

**Attachment C**

944563

Hillsboro Landfill, Inc.  
 3205 SE Minter Bridge, Hillsboro 97123  
 Consumer Comments? We want to know!  
 PLEASE phone: 503-640-9427

TICKET: 98797  
 DATE: 03/05/2001  
 TIME: 09:50 - 09:51

CUSTOMER: 5151843 / CREEKSIDE ENVIRONMENTAL CONSULTING P.O.:  
 GENERATOR: MCALLOIL / McCALL OIL & PROFILE #: 5531 GROSS: 1001300 LBS  
 COUNTY: MULT / Multnomah TARE: 36160 LBS Manual  
 TRUCK: 101 BIN: LICENSE: NET: 66900 LBS  
 HAULER: NA / Non App MANIFEST: ERROL KNOBF  
 COMMENT: HLD BY CELORIE

COMMODITY	UNIT	QNTY	RATE	PRETAX	TAX	AMOUNT
PCSIM / CONTAM.SOILS	T.	34.45	\$ 29.21	\$ 1006.28	\$ 199.47	\$ 1205.75

IN OPERATOR: Heather \$ 1006.28 \$ 199.47 \$ 1205.75  
 OUT OPERATOR: Heather

DRIVER: Errol Knobf

952063

Hillsboro Landfill, Inc.  
 3205 SE Minter Bridge, Hillsboro 97123  
 Consumer Comments? We want to know!  
 PLEASE phone: 503-640-9427

TICKET: 98821  
 DATE: 03/05/2001  
 TIME: 10:07 - 10:19

CUSTOMER: 5151843 / CREEKSIDE ENVIRONMENTAL CONSULTING P.O.:  
 GENERATOR: MCALLOIL / McCALL OIL & PROFILE #: 5531 GROSS: 101340 LBS  
 COUNTY: MULT / Multnomah TARE: 36160 LBS  
 TRUCK: 114 BIN: LICENSE: NET: 65180 LBS  
 HAULER: NA / Non App MANIFEST: RON DENNY  
 COMMENT: HLD BY CELORIE

COMMODITY	UNIT	QNTY	RATE	PRETAX	TAX	AMOUNT
PCSIM / CONTAM.SOILS	T.	32.59	\$ 29.21	\$ 951.95	\$ 188.70	\$ 1140.65

IN OPERATOR: Heather \$ 951.95 \$ 188.70 \$ 1140.65  
 OUT OPERATOR: Linda

DRIVER: Ron Denney #5

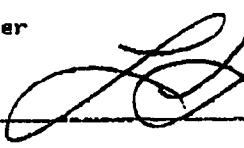
952071

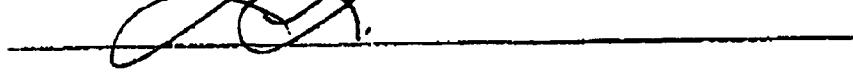
Hillsboro Landfill, Inc.  
3205 SE Minter Bridge, Hillsboro 97123  
Consumer Comments? We want to know!  
PLEASE phone: 503-640-9427

TICKET: 98833  
DATE: 03/05/2001  
TIME: 10:21 - 10:35

CUSTOMER: 3151843 / CREEKSIDE ENVIRONMENTAL CONSULTING P.O.  
GENERATOR: MCALLOIL / McCALL OIL & PROFILE #: 5551 GROSS: 193620 LBS  
COUNTY: MULT / Multnomah TARE: 37260 LBS  
TRUCK: 101 BIN: LICENSE: NET: 66360 LBS  
HAULER: CELORIE / CELORIE BROTHERS MANIFEST: LONNIE GIFFORD  
COMMENT:

COMMODITY	UNIT	QNTY	RATE	PRETAX	TAX	AMOUNT
PCSIM / CONTAM.SOILS	T	33.18	\$ 29.21	\$ 969.19	\$ 192.11	\$ 1161.30

IN OPERATOR: Jennifer   
BUT OPERATOR: Linda

DRIVER: 

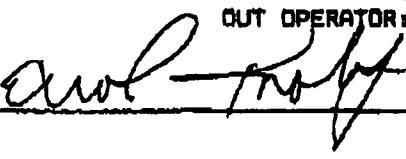
944581

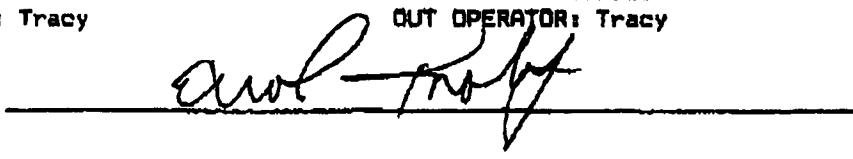
Hillsboro Landfill, Inc.  
3205 SE Minter Bridge, Hillsboro 97123  
Consumer Comments? We want to know!  
PLEASE phone: 503-640-9427

TICKET: 98891  
DATE: 03/05/2001  
TIME: 12:13 - 12:13

CUSTOMER: 3151843 / CREEKSIDE ENVIRONMENTAL CONSULTING P.O.  
GENERATOR: MCALLOIL / McCALL OIL & PROFILE #: 5551 GROSS: 100260 LBS Manual  
COUNTY: MULT / Multnomah TARE: 36200 LBS Manual  
TRUCK: 111 BIN: LICENSE: NET: 64060 LBS  
HAULER: CELORIE / CELORIE BROTHERS MANIFEST: ERROL KNOBF  
COMMENT:

COMMODITY	UNIT	QNTY	RATE	PRETAX	TAX	AMOUNT
PCSIM / CONTAM.SOILS	T	32.83	\$ 29.21	\$ 935.60	\$ 185.45	\$ 1121.05

IN OPERATOR: Tracy   
BUT OPERATOR: Tracy

DRIVER: 

949607

Hillsboro Landfill, Inc.  
 3205 SE Minter Bridge, Hillsboro 97123  
 Consumer Comments? We want to know!  
 PLEASE phone: 503-640-9427

TICKET: 98897  
 DATE: 03/05/2001  
 TIME: 12:23 - 12:27

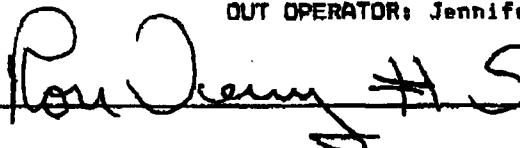
CUSTOMER: 5151843 / CREEKSIDE ENVIRONMENTAL CONSULTING P.O.:  
 GENERATOR: MCALLOIL / MCCALL OIL & PROFILE #: 5551 GROSS: 59960 LBS  
 COUNTY: MULT / Multnomah TARE: 36160 LBS Manual  
 TRUCK: 000 BIN: LICENSE: NET: 62800 LBS  
 HAULER: CELORIE / CELORIE BROTHERS MANIFEST: RON DENNY  
 COMMENT:

COMMODITY	UNIT	QNTY	RATE	PRETAX	TAX	AMOUNT
PCSIM / CONTAM.SOILS	- T	31.40	\$ 29.21	\$ 917.19	\$ 181.81	\$ 1099.00

IN OPERATOR: Jennifer

OUT OPERATOR: Jennifer

DRIVER:



944585

Hillsboro Landfill, Inc.  
 3205 SE Minter Bridge, Hillsboro 97123  
 Consumer Comments? We want to know!  
 PLEASE phone: 503-640-9427

TICKET: 98914  
 DATE: 03/05/2001  
 TIME: 12:53 - 12:53

CUSTOMER: 5151843 / CREEKSIDE ENVIRONMENTAL CONSULTING P.O.:  
 GENERATOR: MCALLOIL / MCCALL OIL & PROFILE #: 5551 GROSS: 102850 LBS Manual  
 COUNTY: MULT / Multnomah TARE: 37260 LBS Manual  
 TRUCK: 000 BIN: LICENSE: NET: 65600 LBS  
 HAULER: CELORIE / CELORIE BROTHERS MANIFEST: LONNIE GIFFORD  
 COMMENT:

COMMODITY	UNIT	QNTY	RATE	PRETAX	TAX	AMOUNT
PCSIM / CONTAM.SOILS	- T	32.80	\$ 29.21	\$ 958.09	\$ 189.91	\$ 1148.00

IN OPERATOR: Tracy

OUT OPERATOR: Tracy

DRIVER:



949625

Hillsboro Landfill, Inc.  
3205 SE Minter Bridge, Hillsboro 97123  
Consumer Comments? We want to know!  
PLEASE phone: 503-648-9427

TICKET: 98967  
DATE: 03/05/2001  
TIME: 14:30 - 14:30

CUSTOMER: 5151843 / CREEKSIDE ENVIRONMENTAL CONSULTING P.O.:  
GENERATOR: MCALLOIL / McCALL OIL & PROFILE #: 5551 GROSS: 96640 LBS Manual  
COUNTY: MULT / Multnomah TARE: 36200 LBS Manual  
TRUCK: 115 BIN: LICENSE: NET: 60440 LBS  
HAULER: NA / Non App MANIFEST: ERROL KNOBF  
COMMENT: hld by celorie

COMMODITY	UNIT	QNTY	RATE	PRETAX	TAX	AMOUNT
PC5IN / CONTAM.SOILS	- T	30.22	\$ 29.21	\$ 882.73	\$ 174.97	\$ 1057.70

IN OPERATOR: Heather OUT OPERATOR: Heather  
\$ 882.73 \$ 174.97 \$ 1057.70

DRIVER: Errol Knobf

949632

Hillsboro Landfill, Inc.  
3205 SE Minter Bridge, Hillsboro 97123  
Consumer Comments? We want to know!  
PLEASE phone: 503-648-9427

TICKET: 98982  
DATE: 03/05/2001  
TIME: 14:48 - 14:48

CUSTOMER: 5151843 / CREEKSIDE ENVIRONMENTAL CONSULTING P.O.:  
GENERATOR: MCALLOIL / McCALL OIL & PROFILE #: 5551 GROSS: 99740 LBS Manual  
COUNTY: MULT / Multnomah TARE: 36160 LBS Manual  
TRUCK: 116 BIN: LICENSE: NET: 63580 LBS  
HAULER: CELORIE / CELORIE BROTHERS MANIFEST: RON DENNY  
COMMENT:

COMMODITY	UNIT	QNTY	RATE	PRETAX	TAX	AMOUNT
PC5IN / CONTAM.SOILS	- T	31.79	\$ 29.21	\$ 928.59	\$ 184.06	\$ 1112.65

IN OPERATOR: Heather OUT OPERATOR: Heather  
\$ 928.59 \$ 184.06 \$ 1112.65

DRIVER: Ron Denny #5

MAR-08-2001 02:55 AM

P.06

949635

Hillsboro Landfill, Inc.  
3205 SE Minter Bridge, Hillsboro 97123  
Consumer Comments? We want to know!  
PLEASE phone: 503-640-9427

TICKET: 98989  
DATE: 03/05/2001  
TIME: 15:03 - 15:03

CUSTOMER: 5151843 / CREEKSIDE ENVIRONMENTAL CONSULTING P.O.:  
GENERATOR: MCALLOIL / McCALL OIL & PROFILE #: 5551 GROSS: 102340 LBS Manual  
COUNTY: MULT / Multnomah TARE: 37260 LBS Manual  
TRUCK: 116 BIN: LICENSE: NET: 65680 LBS  
HAULER: NA / Non App MANIFEST: LINNIE GIFFORD  
COMMENT: hid by celorie

COMMODITY	UNIT	QNTY	RATE	PRETAX	TAX	AMOUNT
PCPSIN / CONTAM.SOILS	T	32.84	\$ 29.21	\$ 959.26	\$ 190.14	\$ 1149.40

IN OPERATOR: Heather \$ 959.26 \$ 190.14 \$ 1149.40  
OUT OPERATOR: Heather

DRIVER: 

944616

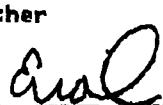
Hillsboro Landfill, Inc.  
3205 SE Minter Bridge, Hillsboro 97123  
Consumer Comments? We want to know!  
PLEASE phone: 503-640-9427

TICKET: 99142  
DATE: 03/06/2001  
TIME: 09:52 - 09:52

CUSTOMER: 5151843 / CREEKSIDE ENVIRONMENTAL CONSULTING P.O.:  
GENERATOR: MCALLOIL / McCALL OIL & PROFILE #: 5551 GROSS: 97020 LBS Manual  
COUNTY: MULT / Multnomah TARE: 36200 LBS Manual  
TRUCK: 115 BIN: LICENSE: NET: 60820 LBS  
HAULER: CELORIE / CELORIE BROTHERS MANIFEST: ERROL KNOBF  
COMMENT:

COMMODITY	UNIT	QNTY	RATE	PRETAX	TAX	AMOUNT
PCPSIN / CONTAM.SOILS	T	30.41	\$ 29.21	\$ 888.28	\$ 176.07	\$ 1064.35

IN OPERATOR: Heather \$ 888.28 \$ 176.07 \$ 1064.35  
OUT OPERATOR: Heather

DRIVER: 

MAR-08-2001 02:56 AM

P.07

MAR 08 01 08:18a

Celorie Bros.

503-655-6137

P.1

Hillsboro Landfill, Inc.  
2205 SE Winter Bridge, Hillsboro 97123  
Consumer Comments? We want to know!  
PLEASE phone: 503-640-9427

TICKET: 99283  
DATE: 03/08/2001  
TIME: 11:50 - 11:59

CUSTOMER: 5191843 / CREEKSIDE ENVIRONMENTAL CONSULTING P.O. 1  
GENERATOR: MCALLOIL / McCALL OIL & PROFILE #: 5531 GROSS: 61540 LBS  
COUNTY: MULT / Multnomah TARE: 36200 LBS MANU  
TRUCK: 000 BIN: LICENSE: NET: 25340 LBS  
HAULER: CELORIE / CELORIE BROTHERS MANIFEST: ERROL KNOBF  
COMMENT: TAK#17 McCall Oil

COMMODITY	UNIT	QNTY	RATE	PRETAX	TAX	AMOUNT
PCBIN / CONTAM. SOILS	T	12.67	\$ 29.21	\$ 370.09	\$ 73.36	\$ 443.45

IN OPERATOR: Jennifer

\$ 370.09 \$ 73.36 \$ 443.45  
OUT OPERATOR: Jennifer

DRIVER: Errol Knobf























**ATTACHMENT D**  
**LABORATORY TEST RESULTS FOR CONFIRMATORY**  
**SAMPLING**



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

15 March, 2001

Brent Jorgensen  
Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

RE: McCall / GWI Mounds

Enclosed are the results of analyses for samples received by the laboratory on 03/07/01 10:51. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

*Brent Jorgensen*

Doug McKenzie  
Project Manager

Work Orders included in this report:

**P1C0146**



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Reported:  
03/15/01 16:51

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MOC-3-6-01-001	P1C0146-01	Soil	03/06/01 12:00	03/07/01 10:51
MOC-3-6-01-002	P1C0146-02	Soil	03/06/01 12:00	03/07/01 10:51
MOC-3-6-01-003	P1C0146-03	Soil	03/06/01 12:00	03/07/01 10:51
MOC-3-6-01-004	P1C0146-04	Soil	03/06/01 12:00	03/07/01 10:51
MOC-3-6-01-005	P1C0146-05	Soil	03/06/01 12:00	03/07/01 10:51
MOC-3-6-01-006	P1C0146-06	Soil	03/06/01 12:00	03/07/01 10:51
MOC-3-6-01-007	P1C0146-07	Soil	03/06/01 12:00	03/07/01 10:51
MOC-3-6-01-008	P1C0146-08	Soil	03/06/01 12:00	03/07/01 10:51

North Creek Analytical - Portland

*BLC*  
*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

1 of 51



Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

<b>Seattle</b>	11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244 425.420.9200 fax 425.420.9210
<b>Spokane</b>	East 11115 Montgomery, Suite B, Spokane, WA 99206-4776 509.924.9200 fax 509.924.9230
<b>Portland</b>	9405 SW Nimbus Avenue, Beaverton, OR 97008-7132 503.906.9200 fax 503.906.9210
<b>Bend</b>	20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711 541.383.9310 fax 541.382.7588

<b>Project:</b> McCall / GWI Mounds	<b>Project Number:</b> N/A	<b>Reported:</b>
		03/15/01 16:51
	<b>Project Manager:</b> Brent Jorgensen	

### Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method

#### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-001 (P1C0146-01) Soil</b> Sampled: 03/06/01    Received: 03/07/01									
Diesel Range Organics	259	25.0	mg/kg dry	1	NWTPH-Dx	03/07/01	03/08/01	1030192	D-17
Heavy Oil Range Hydrocarbons	345	50.0	"	"	"	"	"	"	"
<i>Surr: 1-Chlorooctadecane</i>	105 %	50-150							
<b>MOC-3-6-01-002 (P1C0146-02) Soil</b> Sampled: 03/06/01    Received: 03/07/01									
Diesel Range Organics	ND	25.0	mg/kg dry	1	NWTPH-Dx	03/07/01	03/08/01	1030192	
Heavy Oil Range Hydrocarbons	65.4	50.0	"	"	"	"	"	"	"
<i>Surr: 1-Chlorooctadecane</i>	113 %	50-150							
<b>MOC-3-6-01-003 (P1C0146-03) Soil</b> Sampled: 03/06/01    Received: 03/07/01									
Diesel Range Organics	ND	250	mg/kg dry	10	NWTPH-Dx	03/07/01	03/08/01	1030192	R-02
Heavy Oil Range Hydrocarbons	728	500	"	"	"	"	"	"	R-02
<i>Surr: 1-Chlorooctadecane</i>	111 %	50-150							
<b>MOC-3-6-01-004 (P1C0146-04) Soil</b> Sampled: 03/06/01    Received: 03/07/01									
Diesel Range Organics	ND	25.0	mg/kg dry	1	NWTPH-Dx	03/07/01	03/08/01	1030192	
Heavy Oil Range Hydrocarbons	ND	50.0	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	109 %	50-150							
<b>MOC-3-6-01-005 (P1C0146-05) Soil</b> Sampled: 03/06/01    Received: 03/07/01									
Diesel Range Organics	ND	250	mg/kg dry	10	NWTPH-Dx	03/07/01	03/08/01	1030192	R-02
Heavy Oil Range Hydrocarbons	850	500	"	"	"	"	"	"	R-02
<i>Surr: 1-Chlorooctadecane</i>	89.0 %	50-150							
<b>MOC-3-6-01-006 (P1C0146-06) Soil</b> Sampled: 03/06/01    Received: 03/07/01									
Diesel Range Organics	ND	250	mg/kg dry	10	NWTPH-Dx	03/07/01	03/08/01	1030192	R-02
Heavy Oil Range Hydrocarbons	696	500	"	"	"	"	"	"	R-02
<i>Surr: 1-Chlorooctadecane</i>	108 %	50-150							

North Creek Analytical - Portland

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BLC

Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

2 of 51



Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

**Diesel and Heavy Range Hydrocarbons per NWTPH-Dx Method**  
**North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-007 (P1C0146-07) Soil</b>									
Diesel Range Organics	1020	500	mg/kg dry	20	NWTPH-Dx	03/07/01	03/08/01	1030192	R-02
Heavy Oil Range Hydrocarbons	6300	1000	"	"	"	"	"	"	R-02
Surr: 1-Chlorooctadecane	NR	50-150							S-01
<b>MOC-3-6-01-008 (P1C0146-08) Soil</b>									
Diesel Range Organics	93.4	75.0	mg/kg dry	5	NWTPH-Dx	03/07/01	03/08/01	1030192	A-01,R-07
Heavy Oil Range Hydrocarbons	560	250	"	"	"	"	"	"	R-02
Surr: 1-Chlorooctadecane	124 %	50-150							

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

3 of 51



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Creekside Environmental Consulting-Tualatin  
 21790 SW Chehalis Court  
 Tualatin, OR 97062

Project: McCall / GWI Mounds  
 Project Number: N/A  
 Project Manager: Brent Jorgensen

Reported:  
03/15/01 16:51

### Total Metals per EPA 6000/7000 Series Methods

#### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-001 (P1C0146-01) Soil</b>									
Arsenic	2.33	0.500	mg/kg dry	1	EPA 6020	03/08/01	03/12/01	1030248	
Barium	98.6	1.00	"	10	"	"	"	"	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	15.0	0.500	"	"	"	"	"	"	
Lead	9.40	0.500	"	"	"	"	"	"	
Mercury	ND	0.100	"	1	EPA 7471A	03/12/01	03/13/01	1030338	
Selenium	ND	0.500	"	"	EPA 6020	03/08/01	03/12/01	1030248	
Silver	ND	0.500	"	10	"	"	"	"	
<b>MOC-3-6-01-002 (P1C0146-02) Soil</b>									
Arsenic	2.72	0.500	mg/kg dry	1	EPA 6020	03/08/01	03/12/01	1030248	
Barium	117	1.00	"	10	"	"	"	"	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	20.9	0.500	"	"	"	"	"	"	
Lead	12.5	0.500	"	"	"	"	"	"	
Mercury	ND	0.100	"	1	EPA 7471A	03/12/01	03/13/01	1030338	
Selenium	0.577	0.500	"	"	EPA 6020	03/08/01	03/12/01	1030248	
Silver	ND	0.500	"	10	"	"	"	"	
<b>MOC-3-6-01-003 (P1C0146-03) Soil</b>									
Arsenic	8.47	0.500	mg/kg dry	1	EPA 6020	03/08/01	03/12/01	1030248	
Barium	82.6	1.00	"	10	"	"	"	"	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	35.6	0.500	"	"	"	"	"	"	
Lead	57.7	0.500	"	"	"	"	"	"	
Mercury	0.211	0.100	"	1	EPA 7471A	03/12/01	03/13/01	1030338	
Selenium	0.576	0.500	"	"	EPA 6020	03/08/01	03/12/01	1030248	
Silver	ND	0.500	"	10	"	"	"	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BL

Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
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 425.420.9200 fax 425.420.9210  
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 503.906.9200 fax 503.906.9210  
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 541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
 21790 SW Chehalis Court  
 Tualatin, OR 97062

Project: McCall / GWI Mounds  
 Project Number: N/A  
 Project Manager: Brent Jorgensen

Reported:  
 03/15/01 16:51

### Total Metals per EPA 6000/7000 Series Methods

#### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-004 (P1C0146-04) Soil</b>									
Arsenic	2.31	0.500	mg/kg dry	1	EPA 6020	03/08/01	03/12/01	1030248	
Barium	88.4	1.00	"	10	"	"	"	"	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	18.4	0.500	"	"	"	"	"	"	
Lead	5.12	0.500	"	"	"	"	"	"	
Mercury	0.112	0.100	"	1	EPA 7471A	03/12/01	03/13/01	1030338	
Selenium	ND	0.500	"	"	EPA 6020	03/08/01	03/12/01	1030248	
Silver	ND	0.500	"	10	"	"	"	"	
<b>MOC-3-6-01-005 (P1C0146-05) Soil</b>									
Arsenic	4.59	0.500	mg/kg dry	1	EPA 6020	03/08/01	03/12/01	1030248	
Barium	99.6	1.00	"	10	"	"	"	"	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	14.4	0.500	"	"	"	"	"	"	
Lead	19.6	0.500	"	"	"	"	"	"	
Mercury	ND	0.100	"	1	EPA 7471A	03/12/01	03/13/01	1030338	
Selenium	ND	0.500	"	"	EPA 6020	03/08/01	03/12/01	1030248	
Silver	ND	0.500	"	10	"	"	"	"	
<b>MOC-3-6-01-006 (P1C0146-06) Soil</b>									
Arsenic	3.25	0.500	mg/kg dry	1	EPA 6020	03/08/01	03/12/01	1030248	
Barium	92.4	1.00	"	10	"	"	"	"	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	16.5	0.500	"	"	"	"	"	"	
Lead	12.2	0.500	"	"	"	"	"	"	
Mercury	ND	0.100	"	1	EPA 7471A	03/12/01	03/13/01	1030338	
Selenium	ND	0.500	"	"	EPA 6020	03/08/01	03/12/01	1030248	
Silver	ND	0.500	"	10	"	"	"	"	

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
 425.420.9200 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.908.9200 fax 503.908.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
 21790 SW Chehalis Court  
 Tualatin, OR 97062

Project: McCall / GWI Mounds  
 Project Number: N/A  
 Project Manager: Brent Jorgensen

Reported:  
03/15/01 16:51

### Total Metals per EPA 6000/7000 Series Methods

#### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-007 (P1C0146-07) Soil</b>									
Arsenic	5.38	0.500	mg/kg dry	1	EPA 6020	03/08/01	03/12/01	1030248	
Barium	64.6	1.00	"	10		"	"	"	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	11.5	0.500	"	"	"	"	"	"	
Lead	35.2	0.500	"	"	"	"	"	"	
Mercury	ND	0.0893	"	1	EPA 7471A	03/12/01	03/13/01	1030338	
Selenium	ND	0.500	"	"	EPA 6020	03/08/01	03/12/01	1030248	
Silver	ND	0.500	"	10		"	"	"	
<b>MOC-3-6-01-008 (P1C0146-08) Soil</b>									
Arsenic	25.6	0.500	mg/kg dry	1	EPA 6020	03/08/01	03/12/01	1030248	
Barium	76.0	1.00	"	10		"	"	"	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	18.0	0.500	"	"	"	"	"	"	
Lead	34.4	0.500	"	"	"	"	"	"	
Mercury	ND	0.100	"	1	EPA 7471A	03/12/01	03/13/01	1030338	
Selenium	ND	0.500	"	"	EPA 6020	03/08/01	03/12/01	1030248	
Silver	ND	0.500	"	10		"	"	"	

North Creek Analytical - Portland

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21790 SW Chehalis Court  
Tualatin, OR. 97062

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin 21790 SW Chehalis Court Tualatin, OR. 97062	Project: McCall / GWI Mounds Project Number: N/A Project Manager: Brent Jorgensen	Reported: 03/15/01 16:51
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### Volatile Organic Compounds per EPA Method 8260B

#### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-001 (P1C0146-01) Soil</b>									
Acetone	ND	1000	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
Benzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Bromomethane	ND	500	"	"	"	"	"	"	
2-Butanone	ND	1000	"	"	"	"	"	"	
n-Butylbenzene	ND	500	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
Carbon disulfide	ND	1000	"	"	"	"	"	"	
Carbon tetrachloride	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Chloroform	ND	100	"	"	"	"	"	"	
Chloromethane	ND	500	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	500	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	500	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	

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**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
 425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

**Creekside Environmental Consulting-Tualatin**  
 21790 SW Chehalis Court  
 Tualatin, OR 97062

**Project: McCall / GWI Mounds**  
 Project Number: N/A  
 Project Manager: Brent Jorgensen

**Reported:**  
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**Volatile Organic Compounds per EPA Method 8260B**  
**North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-001 (P1C0146-01) Soil</b>									
Hexachlorobutadiene	ND	200	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
2-Hexanone	ND	1000	"	"	"	"	"	"	
Isopropylbenzene	ND	200	"	"	"	"	"	"	
p-Isopropyltoluene	ND	200	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Methylene chloride	ND	500	"	"	"	"	"	"	
Naphthalene	ND	200	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Styrene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	100	"	"	"	"	"	"	
Toluene	ND	100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
Trichloroethene	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	100	"	"	"	"	"	"	
o-Xylene	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	200	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	99.1 %	70-130							
<i>Surr: 1,2-DCA-d4</i>	114 %	70-130							
<i>Surr: Dibromo Fluoromethane</i>	109 %	70-130							
<i>Surr: Toluene-d8</i>	112 %	70-130							

North Creek Analytical - Portland

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21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.524.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

### Volatile Organic Compounds per EPA Method 8260B

#### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-002 (P1C0146-02) Soil</b>		Sampled: 03/06/01 Received: 03/07/01							
Acetone	ND	1000	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
Benzene	ND	100	"	"	"	"	"	"	"
Bromobenzene	ND	100	"	"	"	"	"	"	"
Bromochloromethane	ND	100	"	"	"	"	"	"	"
Bromodichloromethane	ND	100	"	"	"	"	"	"	"
Bromoform	ND	100	"	"	"	"	"	"	"
Bromomethane	ND	500	"	"	"	"	"	"	"
2-Butanone	ND	1000	"	"	"	"	"	"	"
n-Butylbenzene	ND	500	"	"	"	"	"	"	"
sec-Butylbenzene	ND	100	"	"	"	"	"	"	"
tert-Butylbenzene	ND	100	"	"	"	"	"	"	"
Carbon disulfide	ND	1000	"	"	"	"	"	"	"
Carbon tetrachloride	ND	100	"	"	"	"	"	"	"
Chlorobenzene	ND	100	"	"	"	"	"	"	"
Chloroethane	ND	100	"	"	"	"	"	"	"
Chloroform	ND	100	"	"	"	"	"	"	"
Chloromethane	ND	500	"	"	"	"	"	"	"
2-Chlorotoluene	ND	100	"	"	"	"	"	"	"
4-Chlorotoluene	ND	100	"	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	ND	500	"	"	"	"	"	"	"
Dibromochloromethane	ND	100	"	"	"	"	"	"	"
1,2-Dibromoethane	ND	100	"	"	"	"	"	"	"
Dibromomethane	ND	100	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	"
Dichlorodifluoromethane	ND	500	"	"	"	"	"	"	"
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	"
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	"
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	"
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	"
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	"
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	"
Ethylbenzene	ND	100	"	"	"	"	"	"	"

North Creek Analytical - Portland

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**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
 425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99208-4776  
 509.324.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

**Creekside Environmental Consulting-Tualatin**  
 21790 SW Chehalis Court  
 Tualatin, OR 97062

**Project: McCall / GWI Mounds**  
 Project Number: N/A  
 Project Manager: Brent Jorgensen

**Reported:**  
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**Volatile Organic Compounds per EPA Method 8260B**  
**North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-002 (P1C0146-02) Soil</b>									
Hexachlorobutadiene	ND	200	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
2-Hexanone	ND	1000	"	"	"	"	"	"	
Isopropylbenzene	ND	200	"	"	"	"	"	"	
p-Isopropyltoluene	ND	200	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Methylene chloride	ND	500	"	"	"	"	"	"	
Naphthalene	ND	200	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Styrene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	100	"	"	"	"	"	"	
Toluene	ND	100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
Trichloroethene	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	100	"	"	"	"	"	"	
o-Xylene	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	200	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	<i>103 %</i>	<i>70-130</i>							
<i>Surr: 1,2-DCA-d4</i>	<i>113 %</i>	<i>70-130</i>							
<i>Surr: Dibromoefluoromethane</i>	<i>110 %</i>	<i>70-130</i>							
<i>Surr: Toluene-d8</i>	<i>111 %</i>	<i>70-130</i>							

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21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99208-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
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**Volatile Organic Compounds per EPA Method 8260B**  
**North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-003 (P1C0146-03) Soil</b>		Sampled: 03/06/01 Received: 03/07/01							
Acetone	ND	1000	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
Benzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Bromomethane	ND	500	"	"	"	"	"	"	
2-Butanone	ND	1000	"	"	"	"	"	"	
n-Butylbenzene	ND	500	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
Carbon disulfide	ND	1000	"	"	"	"	"	"	
Carbon tetrachloride	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Chloroform	ND	100	"	"	"	"	"	"	
Chloromethane	ND	500	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	500	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	500	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

11 of 51



Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9230  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

**Volatile Organic Compounds per EPA Method 8260B**  
**North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-003 (P1C0146-03) Soil</b>									
Hexachlorobutadiene	ND	200	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
2-Hexanone	ND	1000	"	"	"	"	"	"	
Isopropylbenzene	ND	200	"	"	"	"	"	"	
p-Isopropyltoluene	ND	200	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Methylene chloride	ND	500	"	"	"	"	"	"	
Naphthalene	ND	200	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Styrene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	100	"	"	"	"	"	"	
Toluene	ND	100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
Trichloroethene	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	100	"	"	"	"	"	"	
o-Xylene	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	200	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	<i>102 %</i>	<i>70-130</i>							
<i>Surr: 1,2-DCA-d4</i>	<i>115 %</i>	<i>70-130</i>							
<i>Surr: Dibromofluoromethane</i>	<i>108 %</i>	<i>70-130</i>							
<i>Surr: Toluene-d8</i>	<i>112 %</i>	<i>70-130</i>							

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

Volatile Organic Compounds per EPA Method 8260B  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-004 (P1C0146-04) Soil</b> Sampled: 03/06/01      Received: 03/07/01									
Acetone	ND	1000	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
Benzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
2-Butanone	ND	1000	"	"	"	"	"	"	
n-Butylbenzene	ND	500	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
Carbon disulfide	ND	1000	"	"	"	"	"	"	
Carbon tetrachloride	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Chloroform	ND	100	"	"	"	"	"	"	
Chloromethane	ND	500	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	500	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	500	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

**Volatile Organic Compounds per EPA Method 8260B**  
**North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-004 (P1C0146-04) Soil</b>									
Hexachlorobutadiene	ND	200	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
2-Hexanone	ND	1000	"	"	"	"	"	"	"
Isopropylbenzene	ND	200	"	"	"	"	"	"	"
p-Isopropyltoluene	ND	200	"	"	"	"	"	"	"
4-Methyl-2-pentanone	ND	500	"	"	"	"	"	"	"
Methyl tert-butyl ether	ND	100	"	"	"	"	"	"	"
Methylene chloride	ND	500	"	"	"	"	"	"	"
Naphthalene	ND	200	"	"	"	"	"	"	"
n-Propylbenzene	ND	100	"	"	"	"	"	"	"
Styrene	ND	100	"	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	"
Tetrachloroethene	ND	100	"	"	"	"	"	"	"
Toluene	ND	100	"	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	"
Trichloroethene	ND	100	"	"	"	"	"	"	"
Trichlorofluoromethane	ND	100	"	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	"
Vinyl chloride	ND	100	"	"	"	"	"	"	"
o-Xylene	ND	100	"	"	"	"	"	"	"
m,p-Xylene	ND	200	"	"	"	"	"	"	"
Surr: 4-BFB	101 %	70-130							
Surr: 1,2-DCA-d4	112 %	70-130							
Surr: Dibromofluoromethane	110 %	70-130							
Surr: Toluene-d8	112 %	70-130							

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

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North Creek Analytical, Inc.  
Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

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425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

**Volatile Organic Compounds per EPA Method 8260B**  
**North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-005 (P1C0146-05) Soil</b>									
						Sampled: 03/06/01	Received: 03/07/01		
Acetone	ND	1000	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
Benzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
2-Butanone	ND	1000	"	"	"	"	"	"	
n-Butylbenzene	ND	500	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
Carbon disulfide	ND	1000	"	"	"	"	"	"	
Carbon tetrachloride	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Chloroform	ND	100	"	"	"	"	"	"	
Chloromethane	ND	500	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	500	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	500	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

### Volatile Organic Compounds per EPA Method 8260B

#### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-005 (P1C0146-05) Soil</b>									
Hexachlorobutadiene	ND	200	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
2-Hexanone	ND	1000	"	"	"	"	"	"	"
Isopropylbenzene	ND	200	"	"	"	"	"	"	"
p-Isopropyltoluene	ND	200	"	"	"	"	"	"	"
4-Methyl-2-pentanone	ND	500	"	"	"	"	"	"	"
Methyl tert-butyl ether	ND	100	"	"	"	"	"	"	"
Methylene chloride	ND	500	"	"	"	"	"	"	"
Naphthalene	ND	200	"	"	"	"	"	"	"
n-Propylbenzene	ND	100	"	"	"	"	"	"	"
Styrene	ND	100	"	"	"	"	"	"	"
1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	"
Tetrachloroethene	ND	100	"	"	"	"	"	"	"
Toluene	ND	100	"	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	"
Trichloroethene	ND	100	"	"	"	"	"	"	"
Trichlorofluoromethane	ND	100	"	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	"
Vinyl chloride	ND	100	"	"	"	"	"	"	"
o-Xylene	ND	100	"	"	"	"	"	"	"
m,p-Xylene	ND	200	"	"	"	"	"	"	"
Surr: 4-BFB	100 %	70-130							
Surr: 1,2-DCA-d4	114 %	70-130							
Surr: Dibromoformaldehyde	106 %	70-130							
Surr: Toluene-d8	113 %	70-130							

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Project: McCall / GWI Mounds

Project Number: N/A

Reported:  
03/15/01 16:51

Project Manager: Brent Jorgensen

### Volatile Organic Compounds per EPA Method 8260B

#### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-006 (P1C0146-06) Soil</b>									
						Sampled: 03/06/01	Received: 03/07/01		
Acetone	ND	1000	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
Benzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
2-Butanone	ND	1000	"	"	"	"	"	"	
n-Butylbenzene	ND	500	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
Carbon disulfide	ND	1000	"	"	"	"	"	"	
Carbon tetrachloride	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Chloroform	ND	100	"	"	"	"	"	"	
Chloromethane	ND	500	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	500	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	500	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

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425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Reported:  
03/15/01 16:51

Volatile Organic Compounds per EPA Method 8260B  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-006 (P1C0146-06) Soil</b>									
Hexachlorobutadiene	ND	200	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
2-Hexanone	ND	1000	"	"	"	"	"	"	
Isopropylbenzene	ND	200	"	"	"	"	"	"	
p-Isopropyltoluene	ND	200	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Methylene chloride	ND	500	"	"	"	"	"	"	
Naphthalene	ND	200	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Styrene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	100	"	"	"	"	"	"	
Toluene	ND	100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
Trichloroethene	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	100	"	"	"	"	"	"	
o-Xylene	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	200	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	97.8 %	70-130							
<i>Surr: 1,2-DCA-d4</i>	109 %	70-130							
<i>Surr: Dibromofluoromethane</i>	104 %	70-130							
<i>Surr: Toluene-d8</i>	109 %	70-130							

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
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Volatile Organic Compounds per EPA Method 8260B  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
MOC-3-6-01-007 (P1C0146-07) Soil		Sampled: 03/06/01 Received: 03/07/01							
Acetone	ND	1000	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
Benzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Bromomethane	ND	500	"	"	"	"	"	"	
2-Butanone	ND	1000	"	"	"	"	"	"	
n-Butylbenzene	ND	500	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
Carbon disulfide	ND	1000	"	"	"	"	"	"	
Carbon tetrachloride	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Chloroform	ND	100	"	"	"	"	"	"	
Chloromethane	ND	500	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	500	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	500	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

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Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
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**Volatile Organic Compounds per EPA Method 8260B**  
**North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-007 (P1C0146-07) Soil</b>									
						Sampled: 03/06/01		Received: 03/07/01	
Hexachlorobutadiene	ND	200	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
2-Hexanone	ND	1000	"	"	"	"	"	"	
Isopropylbenzene	ND	200	"	"	"	"	"	"	
p-Isopropyltoluene	ND	200	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Methylene chloride	ND	500	"	"	"	"	"	"	
Naphthalene	ND	200	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Styrene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	100	"	"	"	"	"	"	
Toluene	ND	100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
Trichloroethene	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	100	"	"	"	"	"	"	
o-Xylene	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	200	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	<i>104 %</i>	<i>70-130</i>							
<i>Surr: 1,2-DCA-d4</i>	<i>118 %</i>	<i>70-130</i>							
<i>Surr: Dibromofluoromethane</i>	<i>110 %</i>	<i>70-130</i>							
<i>Surr: Toluene-d8</i>	<i>117 %</i>	<i>70-130</i>							

North Creek Analytical - Portland

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**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Reported:  
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**Volatile Organic Compounds per EPA Method 8260B**  
**North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-008 (P1C0146-08) Soil</b>									
						<b>Sampled: 03/06/01</b>	<b>Received: 03/07/01</b>		
Acetone	ND	1000	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
Benzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
2-Butanone	ND	1000	"	"	"	"	"	"	
n-Butylbenzene	ND	500	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
Carbon disulfide	ND	1000	"	"	"	"	"	"	
Carbon tetrachloride	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Chloroform	ND	100	"	"	"	"	"	"	
Chloromethane	ND	500	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	500	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	500	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	

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Doug McKenzie, Project Manager

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
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### Volatile Organic Compounds per EPA Method 8260B

#### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-008 (P1C0146-08) Soil</b>									
Hexachlorobutadiene	ND	200	ug/kg dry	1	EPA 8260B	03/08/01	03/10/01	1030224	
2-Hexanone	ND	1000	"	"	"	"	"	"	
Isopropylbenzene	ND	200	"	"	"	"	"	"	
p-Isopropyltoluene	ND	200	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Methylene chloride	ND	500	"	"	"	"	"	"	
Naphthalene	ND	200	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Styrene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	100	"	"	"	"	"	"	
Toluene	ND	100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
Trichloroethene	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	100	"	"	"	"	"	"	
o-Xylene	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	200	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	<i>103 %</i>	<i>70-130</i>							
<i>Surr: 1,2-DCA-d4</i>	<i>117 %</i>	<i>70-130</i>							
<i>Surr: Dibromofluoromethane</i>	<i>110 %</i>	<i>70-130</i>							
<i>Surr: Toluene-d8</i>	<i>115 %</i>	<i>70-130</i>							

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Doug McKenzie, Project Manager

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**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
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541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Reported:  
03/15/01 16:51

Semivolatile Organic Compounds per EPA Method 8270C  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
MOC-3-6-01-001 (P1C0146-01) Soil						Sampled: 03/06/01	Received: 03/07/01		R-05
Acenaphthene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/09/01	1030209	
Acenaphthylene	ND	1.65	"	"	"	"	"	"	
Anthracene	ND	1.65	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1.65	"	"	"	"	"	"	
Benzo (a) pyrene	ND	1.65	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.65	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	1.65	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.65	"	"	"	"	"	"	
Benzoic Acid	ND	5.00	"	"	"	"	"	"	
Benzyl alcohol	ND	1.65	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	1.65	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1.65	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	1.65	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	1.65	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	1.65	"	"	"	"	"	"	
2-Chloronaphthalene	ND	1.65	"	"	"	"	"	"	
2-Chlorophenol	ND	1.65	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	
Chrysene	ND	1.65	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.00	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	1.65	"	"	"	"	"	"	
Dibenzo (a,h) anthracene	ND	1.65	"	"	"	"	"	"	
Dibenzofuran	ND	1.65	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1.65	"	"	"	"	"	"	
Diethyl phthalate	ND	1.65	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.00	"	"	"	"	"	"	
Dimethyl phthalate	ND	1.65	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	5.00	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	1.65	"	"	"	"	"	"	

North Creek Analytical - Portland

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*BC*

Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

### Semivolatile Organic Compounds per EPA Method 8270C

#### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-001 (P1C0146-01) Soil</b>		Sampled: 03/06/01 Received: 03/07/01							
Fluorene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/09/01	1030209	R-05
Hexachlorobenzene	ND	1.65	"	"	"	"	"	"	"
Hexachlorobutadiene	ND	5.00	"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	5.00	"	"	"	"	"	"	"
Hexachloroethane	ND	5.00	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	1.65	"	"	"	"	"	"	"
Isophorone	ND	1.65	"	"	"	"	"	"	"
2-Methylnaphthalene	ND	1.65	"	"	"	"	"	"	"
2-Methylphenol	ND	1.65	"	"	"	"	"	"	"
3-,4-Methylphenol	ND	1.65	"	"	"	"	"	"	"
Naphthalene	ND	1.65	"	"	"	"	"	"	"
2-Nitroaniline	ND	1.65	"	"	"	"	"	"	"
3-Nitroaniline	ND	5.00	"	"	"	"	"	"	"
4-Nitroaniline	ND	1.65	"	"	"	"	"	"	"
Nitrobenzene	ND	1.65	"	"	"	"	"	"	"
2-Nitrophenol	ND	1.65	"	"	"	"	"	"	"
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	1.65	"	"	"	"	"	"	"
N-Nitrosodiphenylamine	ND	1.65	"	"	"	"	"	"	"
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	"
Phenanthrene	ND	1.65	"	"	"	"	"	"	"
Phenol	ND	1.65	"	"	"	"	"	"	"
Pyrene	ND	1.65	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	1.65	"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	1.65	"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	1.65	"	"	"	"	"	"	"
<i>Surr: 2-Fluorobiphenyl</i>	<i>81.2 %</i>	<i>44-146</i>							
<i>Surr: 2-Fluorophenol</i>	<i>72.6 %</i>	<i>42-126</i>							
<i>Surr: Nitrobenzene-d5</i>	<i>72.2 %</i>	<i>42-126</i>							
<i>Surr: Phenol-d6</i>	<i>73.8 %</i>	<i>42-131</i>							
<i>Surr: p-Terphenyl-d14</i>	<i>94.8 %</i>	<i>49-150</i>							
<i>Surr: 2,4,6-Tribromophenol</i>	<i>66.0 %</i>	<i>48-119</i>							

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

Semivolatile Organic Compounds per EPA Method 8270C  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-002 (P1C0146-02) Soil</b>									
						Sampled: 03/06/01	Received: 03/07/01		R-05
Acenaphthene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/09/01	1030209	
Acenaphthylene	ND	1.65	"	"	"	"	"	"	
Anthracene	ND	1.65	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1.65	"	"	"	"	"	"	
Benzo (a) pyrene	ND	1.65	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.65	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	1.65	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.65	"	"	"	"	"	"	
Benzoic Acid	ND	5.00	"	"	"	"	"	"	
Benzyl alcohol	ND	1.65	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	1.65	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1.65	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	1.65	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	1.65	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	1.65	"	"	"	"	"	"	
2-Chloronaphthalene	ND	1.65	"	"	"	"	"	"	
2-Chlorophenol	ND	1.65	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	
Chrysene	ND	1.65	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.00	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	1.65	"	"	"	"	"	"	
Dibenzo (a,h) anthracene	ND	1.65	"	"	"	"	"	"	
Dibenzofuran	ND	1.65	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1.65	"	"	"	"	"	"	
Diethyl phthalate	ND	1.65	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.00	"	"	"	"	"	"	
Dimethyl phthalate	ND	1.65	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	5.00	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	1.65	"	"	"	"	"	"	

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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 425.420.9200 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
 21790 SW Chehalis Court  
 Tualatin, OR 97062

Project: McCall / GWI Mounds  
 Project Number: N/A  
 Project Manager: Brent Jorgensen

Reported:  
03/15/01 16:51

**Semivolatile Organic Compounds per EPA Method 8270C**  
**North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-002 (P1C0146-02) Soil</b>									
Fluorene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/09/01	1030209	R-05
Hexachlorobenzene	ND	1.65	"	"	"	"	"	"	"
Hexachlorobutadiene	ND	5.00	"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	5.00	"	"	"	"	"	"	"
Hexachloroethane	ND	5.00	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	1.65	"	"	"	"	"	"	"
Isophorone	ND	1.65	"	"	"	"	"	"	"
2-Methylnaphthalene	ND	1.65	"	"	"	"	"	"	"
2-Methylphenol	ND	1.65	"	"	"	"	"	"	"
3-,4-Methylphenol	ND	1.65	"	"	"	"	"	"	"
Naphthalene	ND	1.65	"	"	"	"	"	"	"
2-Nitroaniline	ND	1.65	"	"	"	"	"	"	"
3-Nitroaniline	ND	5.00	"	"	"	"	"	"	"
4-Nitroaniline	ND	1.65	"	"	"	"	"	"	"
Nitrobenzene	ND	1.65	"	"	"	"	"	"	"
2-Nitrophenol	ND	1.65	"	"	"	"	"	"	"
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	1.65	"	"	"	"	"	"	"
N-Nitrosodiphenylamine	ND	1.65	"	"	"	"	"	"	"
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	"
Phenanthrene	ND	1.65	"	"	"	"	"	"	"
Phenol	ND	1.65	"	"	"	"	"	"	"
Pyrene	ND	1.65	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	1.65	"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	1.65	"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	1.65	"	"	"	"	"	"	"
<i>Surr: 2-Fluorobiphenyl</i>	74.6 %	44-146							
<i>Surr: 2-Fluorophenol</i>	68.4 %	42-126							
<i>Surr: Nitrobenzene-d5</i>	71.2 %	42-126							
<i>Surr: Phenol-d6</i>	72.7 %	42-131							
<i>Surr: p-Terphenyl-d14</i>	85.8 %	49-150							
<i>Surr: 2,4,6-Tribromophenol</i>	65.2 %	48-119							

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

Semivolatile Organic Compounds per EPA Method 8270C  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-003 (P1C0146-03) Soil</b>									
						Sampled: 03/06/01	Received: 03/07/01		R-05
Acenaphthene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/09/01	1030209	
Acenaphthylene	ND	1.65	"	"	"	"	"	"	
Anthracene	ND	1.65	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1.65	"	"	"	"	"	"	
Benzo (a) pyrene	ND	1.65	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.65	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	1.65	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.65	"	"	"	"	"	"	
Benzoic Acid	ND	5.00	"	"	"	"	"	"	
Benzyl alcohol	ND	1.65	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	1.65	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1.65	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	1.65	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	1.65	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	1.65	"	"	"	"	"	"	
2-Chloronaphthalene	ND	1.65	"	"	"	"	"	"	
2-Chlorophenol	ND	1.65	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	
Chrysene	ND	1.65	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.00	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	1.65	"	"	"	"	"	"	
Dibenzo (a,h) anthracene	ND	1.65	"	"	"	"	"	"	
Dibenzofuran	ND	1.65	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1.65	"	"	"	"	"	"	
Diethyl phthalate	ND	1.65	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.00	"	"	"	"	"	"	
Dimethyl phthalate	ND	1.65	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	5.00	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	1.65	"	"	"	"	"	"	

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

Semivolatile Organic Compounds per EPA Method 8270C  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-003 (P1C0146-03) Soil</b>									
						Sampled: 03/06/01	Received: 03/07/01		R-05
Fluorene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/09/01	1030209	
Hexachlorobenzene	ND	1.65	"	"	"	"	"	"	"
Hexachlorobutadiene	ND	5.00	"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	5.00	"	"	"	"	"	"	"
Hexachloroethane	ND	5.00	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	1.65	"	"	"	"	"	"	"
Isophorone	ND	1.65	"	"	"	"	"	"	"
2-Methylnaphthalene	ND	1.65	"	"	"	"	"	"	"
2-Methylphenol	ND	1.65	"	"	"	"	"	"	"
3,4-Methylphenol	ND	1.65	"	"	"	"	"	"	"
Naphthalene	ND	1.65	"	"	"	"	"	"	"
2-Nitroaniline	ND	1.65	"	"	"	"	"	"	"
3-Nitroaniline	ND	5.00	"	"	"	"	"	"	"
4-Nitroaniline	ND	1.65	"	"	"	"	"	"	"
Nitrobenzene	ND	1.65	"	"	"	"	"	"	"
2-Nitrophenol	ND	1.65	"	"	"	"	"	"	"
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	1.65	"	"	"	"	"	"	"
N-Nitrosodiphenylamine	ND	1.65	"	"	"	"	"	"	"
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	"
Phenanthrene	ND	1.65	"	"	"	"	"	"	"
Phenol	ND	1.65	"	"	"	"	"	"	"
Pyrene	ND	1.65	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	1.65	"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	1.65	"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	1.65	"	"	"	"	"	"	"
<i>Surr: 2-Fluorobiphenyl</i>	87.2 %	44-146							
<i>Surr: 2-Fluorophenol</i>	76.3 %	42-126							
<i>Surr: Nitrobenzene-d5</i>	78.8 %	42-126							
<i>Surr: Phenol-d6</i>	82.9 %	42-131							
<i>Surr: p-Terphenyl-d14</i>	101 %	49-150							
<i>Surr: 2,4,6-Tribromophenol</i>	78.1 %	48-119							

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Doug McKenzie, Project Manager

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Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
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Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
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503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

### Semivolatile Organic Compounds per EPA Method 8270C

#### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-004 (P1C0146-04) Soil</b>		Sampled: 03/06/01 Received: 03/07/01							
Acenaphthene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/09/01	1030209	R-05
Acenaphthylene	ND	1.65	"	"	"	"	"	"	"
Anthracene	ND	1.65	"	"	"	"	"	"	"
Benzo (a) anthracene	ND	1.65	"	"	"	"	"	"	"
Benzo (a) pyrene	ND	1.65	"	"	"	"	"	"	"
Benzo (b) fluoranthene	ND	1.65	"	"	"	"	"	"	"
Benzo (ghi) perylene	ND	1.65	"	"	"	"	"	"	"
Benzo (k) fluoranthene	ND	1.65	"	"	"	"	"	"	"
Benzoic Acid	ND	5.00	"	"	"	"	"	"	"
Benzyl alcohol	ND	1.65	"	"	"	"	"	"	"
4-Bromophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	"
Butyl benzyl phthalate	ND	1.65	"	"	"	"	"	"	"
4-Chloro-3-methylphenol	ND	1.65	"	"	"	"	"	"	"
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	ND	1.65	"	"	"	"	"	"	"
Bis(2-chloroethyl)ether	ND	1.65	"	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	ND	1.65	"	"	"	"	"	"	"
2-Chloronaphthalene	ND	1.65	"	"	"	"	"	"	"
2-Chlorophenol	ND	1.65	"	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	"
Chrysene	ND	1.65	"	"	"	"	"	"	"
Di-n-butyl phthalate	ND	5.00	"	"	"	"	"	"	"
Di-n-octyl phthalate	ND	1.65	"	"	"	"	"	"	"
Dibenzo (a,h) anthracene	ND	1.65	"	"	"	"	"	"	"
Dibenzofuran	ND	1.65	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	"
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	"
2,4-Dichlorophenol	ND	1.65	"	"	"	"	"	"	"
Diethyl phthalate	ND	1.65	"	"	"	"	"	"	"
2,4-Dimethylphenol	ND	5.00	"	"	"	"	"	"	"
Dimethyl phthalate	ND	1.65	"	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	ND	5.00	"	"	"	"	"	"	"
2,4-Dinitrophenol	ND	10.0	"	"	"	"	"	"	"
2,4-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	"
2,6-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	ND	10.0	"	"	"	"	"	"	"
Fluoranthene	ND	1.65	"	"	"	"	"	"	"

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Doug McKenzie, Project Manager

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Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

Semivolatile Organic Compounds per EPA Method 8270C  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
MOC-3-6-01-004 (P1C0146-04) Soil					Sampled: 03/06/01	Received: 03/07/01			R-05
Fluorene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/09/01	1030209	
Hexachlorobenzene	ND	1.65	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.00	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	5.00	"	"	"	"	"	"	
Hexachloroethane	ND	5.00	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	1.65	"	"	"	"	"	"	
Isophorone	ND	1.65	"	"	"	"	"	"	
2-Methylnaphthalene	ND	1.65	"	"	"	"	"	"	
2-Methylphenol	ND	1.65	"	"	"	"	"	"	
3-,4-Methyphenol	ND	1.65	"	"	"	"	"	"	
Naphthalene	ND	1.65	"	"	"	"	"	"	
2-Nitroaniline	ND	1.65	"	"	"	"	"	"	
3-Nitroaniline	ND	5.00	"	"	"	"	"	"	
4-Nitroaniline	ND	1.65	"	"	"	"	"	"	
Nitrobenzene	ND	1.65	"	"	"	"	"	"	
2-Nitrophenol	ND	1.65	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	1.65	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	1.65	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Phenanthrene	ND	1.65	"	"	"	"	"	"	
Phenol	ND	1.65	"	"	"	"	"	"	
Pyrene	ND	1.65	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.65	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1.65	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1.65	"	"	"	"	"	"	
<i>Sur: 2-Fluorobiphenyl</i>	80.4 %	44-146							
<i>Sur: 2-Fluorophenol</i>	79.7 %	42-126							
<i>Sur: Nitrobenzene-d5</i>	76.5 %	42-126							
<i>Sur: Phenol-d6</i>	83.3 %	42-131							
<i>Sur: p-Terphenyl-d14</i>	89.3 %	49-150							
<i>Sur: 2,4,6-Tribromophenol</i>	79.0 %	48-119							

North Creek Analytical - Portland

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Reported:  
03/15/01 16:51

Semivolatile Organic Compounds per EPA Method 8270C  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
MOC-3-6-01-005 (P1C0146-05) Soil						Sampled: 03/06/01	Received: 03/07/01		R-05
Acenaphthene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/09/01	1030209	
Acenaphthylene	ND	1.65	"	"	"	"	"	"	"
Anthracene	ND	1.65	"	"	"	"	"	"	"
Benzo (a) anthracene	ND	1.65	"	"	"	"	"	"	"
Benzo (a) pyrene	ND	1.65	"	"	"	"	"	"	"
Benzo (b) fluoranthene	ND	1.65	"	"	"	"	"	"	"
Benzo (ghi) perylene	ND	1.65	"	"	"	"	"	"	"
Benzo (k) fluoranthene	ND	1.65	"	"	"	"	"	"	"
Benzoic Acid	ND	5.00	"	"	"	"	"	"	"
Benzyl alcohol	ND	1.65	"	"	"	"	"	"	"
4-Bromophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	"
Butyl benzyl phthalate	ND	1.65	"	"	"	"	"	"	"
4-Chloro-3-methylphenol	ND	1.65	"	"	"	"	"	"	"
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	ND	1.65	"	"	"	"	"	"	"
Bis(2-chloroethyl)ether	ND	1.65	"	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	ND	1.65	"	"	"	"	"	"	"
2-Chloronaphthalene	ND	1.65	"	"	"	"	"	"	"
2-Chlorophenol	ND	1.65	"	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	"
Chrysene	ND	1.65	"	"	"	"	"	"	"
Di-n-butyl phthalate	ND	5.00	"	"	"	"	"	"	"
Di-n-octyl phthalate	ND	1.65	"	"	"	"	"	"	"
Dibenzo (a,h) anthracene	ND	1.65	"	"	"	"	"	"	"
Dibenzofuran	ND	1.65	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	"
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	"
2,4-Dichlorophenol	ND	1.65	"	"	"	"	"	"	"
Diethyl phthalate	ND	1.65	"	"	"	"	"	"	"
2,4-Dimethylphenol	ND	5.00	"	"	"	"	"	"	"
Dimethyl phthalate	ND	1.65	"	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	ND	5.00	"	"	"	"	"	"	"
2,4-Dinitrophenol	ND	10.0	"	"	"	"	"	"	"
2,4-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	"
2,6-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	ND	10.0	"	"	"	"	"	"	"
Fluoranthene	ND	1.65	"	"	"	"	"	"	"

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

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Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9280  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

Semivolatile Organic Compounds per EPA Method 8270C  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-005 (P1C0146-05) Soil</b>									
Fluorene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/09/01	1030209	R-05
Hexachlorobenzene	ND	1.65	"	"	"	"	"	"	"
Hexachlorobutadiene	ND	5.00	"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	5.00	"	"	"	"	"	"	"
Hexachloroethane	ND	5.00	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	1.65	"	"	"	"	"	"	"
Isophorone	ND	1.65	"	"	"	"	"	"	"
2-Methylnaphthalene	ND	1.65	"	"	"	"	"	"	"
2-Methylphenol	ND	1.65	"	"	"	"	"	"	"
3-,4-Methylphenol	ND	1.65	"	"	"	"	"	"	"
Naphthalene	ND	1.65	"	"	"	"	"	"	"
2-Nitroaniline	ND	1.65	"	"	"	"	"	"	"
3-Nitroaniline	ND	5.00	"	"	"	"	"	"	"
4-Nitroaniline	ND	1.65	"	"	"	"	"	"	"
Nitrobenzene	ND	1.65	"	"	"	"	"	"	"
2-Nitrophenol	ND	1.65	"	"	"	"	"	"	"
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	1.65	"	"	"	"	"	"	"
N-Nitrosodiphenylamine	ND	1.65	"	"	"	"	"	"	"
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	"
Phenanthrene	ND	1.65	"	"	"	"	"	"	"
Phenol	ND	1.65	"	"	"	"	"	"	"
Pyrene	ND	1.65	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	1.65	"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	1.65	"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	1.65	"	"	"	"	"	"	"
<i>Surr: 2-Fluorobiphenyl</i>	85.2 %	44-146							
<i>Surr: 2-Fluorophenol</i>	77.4 %	42-126							
<i>Surr: Nitrobenzene-d5</i>	76.9 %	42-126							
<i>Surr: Phenol-d6</i>	81.4 %	42-131							
<i>Surr: p-Terphenyl-d14</i>	95.9 %	49-150							
<i>Surr: 2,4,6-Tribromophenol</i>	74.3 %	48-119							

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Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
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32 of 51



Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.908.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

Semivolatile Organic Compounds per EPA Method 8270C  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-006 (P1C0146-06) Soil</b>									
						Sampled: 03/06/01	Received: 03/07/01		R-05
Acenaphthene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/09/01	1030209	
Acenaphthylene	ND	1.65	"	"	"	"	"	"	
Anthracene	ND	1.65	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1.65	"	"	"	"	"	"	
Benzo (a) pyrene	ND	1.65	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.65	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	1.65	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.65	"	"	"	"	"	"	
Benzoic Acid	ND	5.00	"	"	"	"	"	"	
Benzyl alcohol	ND	1.65	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	1.65	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1.65	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	1.65	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	1.65	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	1.65	"	"	"	"	"	"	
2-Chloronaphthalene	ND	1.65	"	"	"	"	"	"	
2-Chlorophenol	ND	1.65	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	
Chrysene	ND	1.65	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.00	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	1.65	"	"	"	"	"	"	
Dibenza (a,h) anthracene	ND	1.65	"	"	"	"	"	"	
Dibenzofuran	ND	1.65	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1.65	"	"	"	"	"	"	
Diethyl phthalate	ND	1.65	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.00	"	"	"	"	"	"	
Dimethyl phthalate	ND	1.65	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	5.00	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	1.65	"	"	"	"	"	"	

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Doug McKenzie, Project Manager

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Environmental Laboratory Network

33 of 51



Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
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Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

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425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

Semivolatile Organic Compounds per EPA Method 8270C  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-006 (P1C0146-06) Soil</b>									
						Sampled: 03/06/01	Received: 03/07/01		R-05
Fluorene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/09/01	1030209	
Hexachlorobenzene	ND	1.65	"	"	"	"	"	"	"
Hexachlorobutadiene	ND	5.00	"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	5.00	"	"	"	"	"	"	"
Hexachloroethane	ND	5.00	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	1.65	"	"	"	"	"	"	"
Isophorone	ND	1.65	"	"	"	"	"	"	"
2-Methylnaphthalene	ND	1.65	"	"	"	"	"	"	"
2-Methylphenol	ND	1.65	"	"	"	"	"	"	"
3-,4-Methylphenol	ND	1.65	"	"	"	"	"	"	"
Naphthalene	ND	1.65	"	"	"	"	"	"	"
2-Nitroaniline	ND	1.65	"	"	"	"	"	"	"
3-Nitroaniline	ND	5.00	"	"	"	"	"	"	"
4-Nitroaniline	ND	1.65	"	"	"	"	"	"	"
Nitrobenzene	ND	1.65	"	"	"	"	"	"	"
2-Nitrophenol	ND	1.65	"	"	"	"	"	"	"
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	1.65	"	"	"	"	"	"	"
N-Nitrosodiphenylamine	ND	1.65	"	"	"	"	"	"	"
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	"
Phenanthrene	ND	1.65	"	"	"	"	"	"	"
Phenol	ND	1.65	"	"	"	"	"	"	"
Pyrene	ND	1.65	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	1.65	"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	1.65	"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	1.65	"	"	"	"	"	"	"
<i>Sur: 2-Fluorobiphenyl</i>	88.0 %	44-146							
<i>Sur: 2-Fluorophenol</i>	81.4 %	42-126							
<i>Sur: Nitrobenzene-d5</i>	82.7 %	42-126							
<i>Sur: Phenol-d6</i>	83.9 %	42-131							
<i>Sur: p-Terphenyl-d14</i>	102 %	49-150							
<i>Sur: 2,4,6-Tribromophenol</i>	76.9 %	48-119							

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**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
 425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

**Creekside Environmental Consulting-Tualatin**  
 21790 SW Chehalis Court  
 Tualatin, OR 97062

**Project: McCall / GWI Mounds**  
 Project Number: N/A  
 Project Manager: Brent Jorgensen

**Reported:**  
03/15/01 16:51

**Semivolatile Organic Compounds per EPA Method 8270C**  
**North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-007 (P1C0146-07) Soil</b>					<b>Sampled: 03/06/01</b>	<b>Received: 03/07/01</b>			<b>R-05</b>
Acenaphthene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/10/01	1030209	
Acenaphthylene	ND	1.65	"	"	"	"	"	"	
Anthracene	ND	1.65	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1.65	"	"	"	"	"	"	
Benzo (a) pyrene	ND	1.65	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.65	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	1.65	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.65	"	"	"	"	"	"	
Benzoic Acid	ND	5.00	"	"	"	"	"	"	
Benzyl alcohol	ND	1.65	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	1.65	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1.65	"	"	"	"	"	"	
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	1.65	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	1.65	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	1.65	"	"	"	"	"	"	
2-Chloronaphthalene	ND	1.65	"	"	"	"	"	"	
2-Chlorophenol	ND	1.65	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	
Chrysene	ND	1.65	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.00	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	1.65	"	"	"	"	"	"	
Dibenzo (a,h) anthracene	ND	1.65	"	"	"	"	"	"	
Dibenzofuran	ND	1.65	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1.65	"	"	"	"	"	"	
Diethyl phthalate	ND	1.65	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.00	"	"	"	"	"	"	
Dimethyl phthalate	ND	1.65	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	5.00	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10.0	"	"	"	"	"	"	
Fluoranthene	ND	1.65	"	"	"	"	"	"	

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

**North Creek Analytical, Inc.**  
Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
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Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

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### Semivolatile Organic Compounds per EPA Method 8270C

#### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-007 (P1C0146-07) Soil</b>		Sampled: 03/06/01 Received: 03/07/01							
Fluorene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/10/01	1030209	R-05
Hexachlorobenzene	ND	1.65	"	"	"	"	"	"	"
Hexachlorobutadiene	ND	5.00	"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	5.00	"	"	"	"	"	"	"
Hexachloroethane	ND	5.00	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	1.65	"	"	"	"	"	"	"
Isophorone	ND	1.65	"	"	"	"	"	"	"
2-Methylnaphthalene	ND	1.65	"	"	"	"	"	"	"
2-Methylphenol	ND	1.65	"	"	"	"	"	"	"
3,4-Methylphenol	ND	1.65	"	"	"	"	"	"	"
Naphthalene	ND	1.65	"	"	"	"	"	"	"
2-Nitroaniline	ND	1.65	"	"	"	"	"	"	"
3-Nitroaniline	ND	5.00	"	"	"	"	"	"	"
4-Nitroaniline	ND	1.65	"	"	"	"	"	"	"
Nitrobenzene	ND	1.65	"	"	"	"	"	"	"
2-Nitrophenol	ND	1.65	"	"	"	"	"	"	"
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	1.65	"	"	"	"	"	"	"
N-Nitrosodiphenylamine	ND	1.65	"	"	"	"	"	"	"
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	"
Phenanthrene	ND	1.65	"	"	"	"	"	"	"
Phenol	ND	1.65	"	"	"	"	"	"	"
Pyrene	ND	1.65	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	1.65	"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	1.65	"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	1.65	"	"	"	"	"	"	"
<i>Surr: 2-Fluorobiphenyl</i>	97.8 %	44-146							
<i>Surr: 2-Fluorophenol</i>	90.5 %	42-126							
<i>Surr: Nitrobenzene-d5</i>	87.4 %	42-126							
<i>Surr: Phenol-d6</i>	88.9 %	42-131							
<i>Surr: p-Terphenyl-d14</i>	106 %	49-150							
<i>Surr: 2,4,6-Tribromophenol</i>	85.5 %	48-119							

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

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Project Manager: Brent Jorgensen

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425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
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Reported:  
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Semivolatile Organic Compounds per EPA Method 8270C  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
MOC-3-6-01-008 (P1C0146-08) Soll						Sampled: 03/06/01	Received: 03/07/01		R-05
Acenaphthene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/09/01	1030209	
Acenaphthylene	ND	1.65	"	"	"	"	"	"	"
Anthracene	ND	1.65	"	"	"	"	"	"	"
Benzo (a) anthracene	ND	1.65	"	"	"	"	"	"	"
Benzo (a) pyrene	ND	1.65	"	"	"	"	"	"	"
Benzo (b) fluoranthene	ND	1.65	"	"	"	"	"	"	"
Benzo (ghi) perylene	ND	1.65	"	"	"	"	"	"	"
Benzo (k) fluoranthene	ND	1.65	"	"	"	"	"	"	"
Benzoic Acid	ND	5.00	"	"	"	"	"	"	"
Benzyl alcohol	ND	1.65	"	"	"	"	"	"	"
4-Bromophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	"
Butyl benzyl phthalate	ND	1.65	"	"	"	"	"	"	"
4-Chloro-3-methylphenol	ND	1.65	"	"	"	"	"	"	"
4-Chloroaniline	ND	10.0	"	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	ND	1.65	"	"	"	"	"	"	"
Bis(2-chloroethyl)ether	ND	1.65	"	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	ND	1.65	"	"	"	"	"	"	"
2-Chloronaphthalene	ND	1.65	"	"	"	"	"	"	"
2-Chlorophenol	ND	1.65	"	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	ND	1.65	"	"	"	"	"	"	"
Chrysene	ND	1.65	"	"	"	"	"	"	"
Di-n-butyl phthalate	ND	5.00	"	"	"	"	"	"	"
Di-n-octyl phthalate	ND	1.65	"	"	"	"	"	"	"
Dibenzo (a,h) anthracene	ND	1.65	"	"	"	"	"	"	"
Dibenzofuran	ND	1.65	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	5.00	"	"	"	"	"	"	"
3,3'-Dichlorobenzidine	ND	5.00	"	"	"	"	"	"	"
2,4-Dichlorophenol	ND	1.65	"	"	"	"	"	"	"
Diethyl phthalate	ND	1.65	"	"	"	"	"	"	"
2,4-Dimethylphenol	ND	5.00	"	"	"	"	"	"	"
Dimethyl phthalate	ND	1.65	"	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	ND	5.00	"	"	"	"	"	"	"
2,4-Dinitrophenol	ND	10.0	"	"	"	"	"	"	"
2,4-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	"
2,6-Dinitrotoluene	ND	2.50	"	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	ND	10.0	"	"	"	"	"	"	"
Fluoranthene	ND	1.65	"	"	"	"	"	"	"

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
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Semivolatile Organic Compounds per EPA Method 8270C  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>MOC-3-6-01-008 (P1C0146-08) Soil</b>									
						Sampled: 03/06/01	Received: 03/07/01		R-05
Fluorene	ND	1.65	mg/kg dry	1	EPA 8270C	03/08/01	03/09/01	1030209	
Hexachlorobenzene	ND	1.65	"	"	"	"	"	"	"
Hexachlorobutadiene	ND	5.00	"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	5.00	"	"	"	"	"	"	"
Hexachloroethane	ND	5.00	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	1.65	"	"	"	"	"	"	"
Isophorone	ND	1.65	"	"	"	"	"	"	"
2-Methylnaphthalene	ND	1.65	"	"	"	"	"	"	"
2-Methylphenol	ND	1.65	"	"	"	"	"	"	"
3,4-Methylphenol	ND	1.65	"	"	"	"	"	"	"
Naphthalene	ND	1.65	"	"	"	"	"	"	"
2-Nitroaniline	ND	1.65	"	"	"	"	"	"	"
3-Nitroaniline	ND	5.00	"	"	"	"	"	"	"
4-Nitroaniline	ND	1.65	"	"	"	"	"	"	"
Nitrobenzene	ND	1.65	"	"	"	"	"	"	"
2-Nitrophenol	ND	1.65	"	"	"	"	"	"	"
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	1.65	"	"	"	"	"	"	"
N-Nitrosodiphenylamine	ND	1.65	"	"	"	"	"	"	"
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	"
Phenanthrene	ND	1.65	"	"	"	"	"	"	"
Phenol	ND	1.65	"	"	"	"	"	"	"
Pyrene	ND	1.65	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	1.65	"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	1.65	"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	1.65	"	"	"	"	"	"	"
<i>Surr: 2-Fluorobiphenyl</i>	85.6 %	44-146							
<i>Surr: 2-Fluorophenol</i>	85.8 %	42-126							
<i>Surr: Nitrobenzene-d5</i>	78.1 %	42-126							
<i>Surr: Phenol-d6</i>	86.1 %	42-131							
<i>Surr: p-Terphenyl-d14</i>	97.8 %	49-150							
<i>Surr: 2,4,6-Tribromophenol</i>	83.2 %	48-119							

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Doug McKenzie, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
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Percent Dry Weight (Solids) per Standard Methods  
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
MOC-3-6-01-001 (P1C0146-01) Soil								Sampled: 03/06/01 Received: 03/07/01	
% Solids	86.7	1.00 % by Weight	1		NCA SOP	03/07/01	03/08/01	1030199	
MOC-3-6-01-002 (P1C0146-02) Soil								Sampled: 03/06/01 Received: 03/07/01	
% Solids	84.9	1.00 % by Weight	1		NCA SOP	03/07/01	03/08/01	1030199	
MOC-3-6-01-003 (P1C0146-03) Soil								Sampled: 03/06/01 Received: 03/07/01	
% Solids	91.1	1.00 % by Weight	1		NCA SOP	03/07/01	03/08/01	1030199	
MOC-3-6-01-004 (P1C0146-04) Soil								Sampled: 03/06/01 Received: 03/07/01	
% Solids	89.0	1.00 % by Weight	1		NCA SOP	03/07/01	03/08/01	1030199	
MOC-3-6-01-005 (P1C0146-05) Soil								Sampled: 03/06/01 Received: 03/07/01	
% Solids	86.3	1.00 % by Weight	1		NCA SOP	03/07/01	03/08/01	1030199	
MOC-3-6-01-006 (P1C0146-06) Soil								Sampled: 03/06/01 Received: 03/07/01	
% Solids	88.3	1.00 % by Weight	1		NCA SOP	03/07/01	03/08/01	1030199	
MOC-3-6-01-007 (P1C0146-07) Soil								Sampled: 03/06/01 Received: 03/07/01	
% Solids	89.8	1.00 % by Weight	1		NCA SOP	03/07/01	03/08/01	1030199	
MOC-3-6-01-008 (P1C0146-08) Soil								Sampled: 03/06/01 Received: 03/07/01	
% Solids	92.5	1.00 % by Weight	1		NCA SOP	03/07/01	03/08/01	1030199	

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Doug McKenzie, Project Manager

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Environmental Laboratory Network

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Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
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Reported:  
03/15/01 16:51

Project: Creekside Environmental Consulting-Tualatin - Project Number: N/A - Project Manager: Brent Jorgensen - Date: 03/15/01 16:51

North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1030192 - EPA 3550 Fuels</b>										
<b>Blank (1030192-BLK1)</b>										
Prepared: 03/07/01 Analyzed: 03/08/01										
Diesel Range Organics	ND	25.0	mg/kg wet							
Heavy Oil Range Hydrocarbons	ND	50.0	"							
<i>Surr: I-Chlorooctadecane</i>	6.40	"		4.80		133	50-150			
<b>LCS (1030192-BS1)</b>										
Prepared: 03/07/01 Analyzed: 03/08/01										
Diesel Range Organics	126	25.0	mg/kg wet	129		97.7	50-150			
Heavy Oil Range Hydrocarbons	71.8	50.0	"	79.0		90.9	50-150			
<i>Surr: I-Chlorooctadecane</i>	3.75	"		4.80		78.1	50-150			
<b>Duplicate (1030192-DUP1)</b>										
Source: P1C0036-06 Prepared: 03/07/01 Analyzed: 03/08/01										
Diesel Range Organics	ND	50.0	mg/kg dry		63.3			50		
Heavy Oil Range Hydrocarbons	135	100	"		187			32.3	50	
<i>Surr: I-Chlorooctadecane</i>	5.63	"		5.39		104	50-150			
<b>Duplicate (1030192-DUP2)</b>										
Source: P1C0146-05 Prepared: 03/07/01 Analyzed: 03/08/01										
Diesel Range Organics	ND	250	mg/kg dry		ND			50		
Heavy Oil Range Hydrocarbons	1390	500	"		850			48.2	50	
<i>Surr: I-Chlorooctadecane</i>	7.73	"		5.56		139	50-150			

North Creek Analytical - Portland

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Doug McKenzie, Project Manager

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03/15/01 16:51

### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1030248 - EPA 3050</b>										
<b>Blank (1030248-BLK1)</b>										
Prepared: 03/08/01 Analyzed: 03/12/01										
Arsenic	ND	0.500	mg/kg wet							
Barium	ND	1.00	"							
Cadmium	ND	0.500	"							
Chromium	ND	0.500	"							
Lead	ND	0.500	"							
Selenium	ND	0.500	"							
Silver	ND	0.500	"							
<b>LCS (1030248-BS1)</b>										
Prepared: 03/08/01 Analyzed: 03/12/01										
Arsenic	9.70	0.500	mg/kg wet	10.0	97.0	80-120				
Barium	9.98	1.00	"	10.0	99.8	80-120				
Cadmium	10.4	0.500	"	10.0	104	80-120				
Chromium	10.6	0.500	"	10.0	106	80-120				
Lead	11.2	0.500	"	10.0	112	80-120				
Selenium	9.52	0.500	"	10.0	95.2	80-120				
Silver	5.14	0.500	"	5.00	103	80-120				
<b>Duplicate (1030248-DUP1)</b>										
Source: P1C0146-01 Prepared: 03/08/01 Analyzed: 03/12/01										
Arsenic	2.19	0.500	mg/kg dry	2.33	6.19	40				
Barium	102	1.00	"	98.6	3.39	40				
Cadmium	ND	0.500	"	ND		40				
Chromium	14.9	0.500	"	15.0	0.669	40				
Lead	8.33	0.500	"	9.40	12.1	40				
Selenium	ND	0.500	"	ND	30.5	40				
Silver	ND	0.500	"	ND	40.0	40				
<b>Matrix Spike (1030248-MS1)</b>										
Source: P1C0146-01 Prepared: 03/08/01 Analyzed: 03/12/01										
Arsenic	13.2	0.500	mg/kg dry	11.5	2.33	94.5	75-125			
Barium	108	1.00	"	11.5	98.6	81.7	75-125			
Cadmium	11.6	0.500	"	11.5	ND	101	75-125			
Chromium	29.2	0.500	"	11.5	15.0	123	75-125			
Lead	20.5	0.500	"	11.5	9.40	96.5	75-125			
Selenium	12.2	0.500	"	11.5	ND	103	75-125			
Silver	5.81	0.500	"	5.77	ND	99.8	75-125			

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425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bond 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

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### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1030338 - EPA 7471

Blank (1030338-BLK1) Prepared: 03/12/01 Analyzed: 03/13/01

Mercury ND 0.100 mg/kg wet

LCS (1030338-BS1) Prepared: 03/12/01 Analyzed: 03/13/01

Mercury 1.03 0.100 mg/kg wet 1.00 103 80-120

Duplicate (1030338-DUP1) Source: P1C0146-01 Prepared: 03/12/01 Analyzed: 03/13/01

Mercury ND 0.100 mg/kg dry ND 20.4 40

Matrix Spike (1030338-MS1) Source: P1C0146-01 Prepared: 03/12/01 Analyzed: 03/13/01

Mercury 1.11 0.100 mg/kg dry 1.15 ND 92.5 75-125

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Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

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Scientific Integrity & Complying and Defensible, Scientific Methods

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1030224 - EPA 5035</b>										
Blank (1030224-BLK1)      Prepared & Analyzed: 03/08/01										
Acetone	ND	1000	ug/kg wet	"	"	"	"	"	"	"
Benzene	ND	100	"	"	"	"	"	"	"	"
Bromobenzene	ND	100	"	"	"	"	"	"	"	"
Bromochloromethane	ND	100	"	"	"	"	"	"	"	"
Bromodichloromethane	ND	100	"	"	"	"	"	"	"	"
Bromoform	ND	100	"	"	"	"	"	"	"	"
Bromomethane	ND	500	"	"	"	"	"	"	"	"
2-Butanone	ND	1000	"	"	"	"	"	"	"	"
n-Butylbenzene	ND	500	"	"	"	"	"	"	"	"
sec-Butylbenzene	ND	100	"	"	"	"	"	"	"	"
tert-Butylbenzene	ND	100	"	"	"	"	"	"	"	"
Carbon disulfide	ND	1000	"	"	"	"	"	"	"	"
Carbon tetrachloride	ND	100	"	"	"	"	"	"	"	"
Chlorobenzene	ND	100	"	"	"	"	"	"	"	"
Chloroethane	ND	100	"	"	"	"	"	"	"	"
Chloroform	ND	100	"	"	"	"	"	"	"	"
Chloromethane	ND	500	"	"	"	"	"	"	"	"
2-Chlorotoluene	ND	100	"	"	"	"	"	"	"	"
4-Chlorotoluene	ND	100	"	"	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	ND	500	"	"	"	"	"	"	"	"
Dibromochloromethane	ND	100	"	"	"	"	"	"	"	"
1,2-Dibromoethane	ND	100	"	"	"	"	"	"	"	"
Dibromomethane	ND	100	"	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	"	"
Dichlorodifluoromethane	ND	500	"	"	"	"	"	"	"	"
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	"	"
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	"	"
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	"	"
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	"	"
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	"	"
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	"	"

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425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9230  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

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03/15/01 16:51

### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1030224 - EPA 5035</b>										
<b>Blank (1030224-BLK1)</b>										
						Prepared & Analyzed: 03/08/01				
cis-1,3-Dichloropropene	ND	100	ug/kg wet							
trans-1,3-Dichloropropene	ND	100	"							
Ethylbenzene	ND	100	"							
Hexachlorobutadiene	ND	200	"							
2-Hexanone	ND	1000	"							
Isopropylbenzene	ND	200	"							
p-Isopropyltoluene	ND	200	"							
4-Methyl-2-pentanone	ND	500	"							
Methyl tert-butyl ether	ND	100	"							
Methylene chloride	ND	500	"							
Naphthalene	ND	200	"							
n-Propylbenzene	ND	100	"							
Styrene	ND	100	"							
1,1,1,2-Tetrachloroethane	ND	100	"							
1,1,2,2-Tetrachloroethane	ND	100	"							
Tetrachloroethene	ND	100	"							
Toluene	ND	100	"							
1,2,3-Trichlorobenzene	ND	100	"							
1,2,4-Trichlorobenzene	ND	100	"							
1,1,1-Trichloroethane	ND	100	"							
1,1,2-Trichloroethane	ND	100	"							
Trichloroethene	ND	100	"							
Trichlorofluoromethane	ND	100	"							
1,2,3-Trichloropropane	ND	100	"							
1,2,4-Trimethylbenzene	ND	100	"							
1,3,5-Trimethylbenzene	ND	100	"							
Vinyl chloride	ND	100	"							
o-Xylene	ND	100	"							
m,p-Xylene	ND	200	"							
<i>Surr: 4-BFB</i>	2160	"	2000		108	70-130				
<i>Surr: 1,2-DCA-d4</i>	2560	"	2000		128	70-130				
<i>Surr: Dibromofluoromethane</i>	2550	"	2000		128	70-130				
<i>Surr: Toluene-d8</i>	2470	"	2000		124	70-130				

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 425.420.9200 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

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 21790 SW Chehalis Court  
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Project: McCall / GWI Mounds  
 Project Number: N/A  
 Project Manager: Brent Jorgensen

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 03/15/01 16:51

### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1030224 - EPA 5035</b>										
<b>LCS (1030224-BS1)</b>										
Prepared & Analyzed: 03/08/01										
Benzene	2540	100	ug/kg wet	2500	102	80-135				
Chlorobenzene	2650	100	"	2500	106	80-135				
1,1-Dichloroethene	2660	100	"	2500	106	60-150				
Toluene	2550	100	"	2500	102	80-130				
Trichloroethene	2440	100	"	2500	97.6	70-135				
<i>Surr: 4-BFB</i>	2030		"	2000	102	70-130				
<i>Surr: 1,2-DCA-d4</i>	2370		"	2000	118	70-130				
<i>Surr: Dibromoiodomethane</i>	2390		"	2000	120	70-130				
<i>Surr: Toluene-d8</i>	2310		"	2000	116	70-130				
<b>Matrix Spike (1030224-MS1)</b>										
Source: P1C0181-02										
Prepared & Analyzed: 03/08/01										
Benzene	3610	100	ug/kg dry	3870	ND	93.3	60-135			
Chlorobenzene	3810	100	"	3870	ND	98.4	65-125			
1,1-Dichloroethene	3540	100	"	3870	ND	91.5	60-135			
Toluene	3640	100	"	3870	ND	94.1	60-125			
Trichloroethene	3500	100	"	3870	ND	89.5	60-125			
<i>Surr: 4-BFB</i>	3020		"	3100		97.4	70-130			
<i>Surr: 1,2-DCA-d4</i>	3400		"	3100		110	70-130			
<i>Surr: Dibromoiodomethane</i>	3380		"	3100		109	70-130			
<i>Surr: Toluene-d8</i>	3320		"	3100		107	70-130			
<b>Matrix Spike Dup (1030224-MSD1)</b>										
Source: P1C0181-02										
Prepared & Analyzed: 03/08/01										
Benzene	3610	100	ug/kg dry	3870	ND	93.3	60-135	0.00	25	
Chlorobenzene	3820	100	"	3870	ND	98.7	65-125	0.262	25	
1,1-Dichloroethene	3470	100	"	3870	ND	89.7	60-135	2.00	25	
Toluene	3670	100	"	3870	ND	94.8	60-125	0.821	25	
Trichloroethene	3540	100	"	3870	ND	90.5	60-125	1.14	25	
<i>Surr: 4-BFB</i>	3030		"	3100		97.7	70-130			
<i>Surr: 1,2-DCA-d4</i>	3370		"	3100		109	70-130			
<i>Surr: Dibromoiodomethane</i>	3360		"	3100		108	70-130			
<i>Surr: Toluene-d8</i>	3320		"	3100		107	70-130			

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21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
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Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

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### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1030209 - EPA 3550

##### Blank (1030209-BLK1)

Prepared: 03/08/01 Analyzed: 03/09/01

Acenaphthene	ND	0.330	mg/kg wet							
Acenaphthylene	ND	0.330	"							
Anthracene	ND	0.330	"							
Benzo (a) anthracene	ND	0.330	"							
Benzo (a) pyrene	ND	0.330	"							
Benzo (b) fluoranthene	ND	0.330	"							
Benzo (ghi) perylene	ND	0.330	"							
Benzo (k) fluoranthene	ND	0.330	"							
Benzoic Acid	ND	1.00	"							
Benzyl alcohol	ND	0.330	"							
4-Bromophenyl phenyl ether	ND	0.330	"							
Butyl benzyl phthalate	ND	0.330	"							
4-Chloro-3-methylphenol	ND	0.330	"							
4-Chloroaniline	ND	2.00	"							
Bis(2-chloroethoxy)methane	ND	0.330	"							
Bis(2-chloroethyl)ether	ND	0.330	"							
Bis(2-chloroisopropyl)ether	ND	0.330	"							
2-Chloronaphthalene	ND	0.330	"							
2-Chlorophenol	ND	0.330	"							
4-Chlorophenyl phenyl ether	ND	0.330	"							
Chrysene	ND	0.330	"							
Di-n-butyl phthalate	ND	1.00	"							
Di-n-octyl phthalate	ND	0.330	"							
Dibenzo (a,h) anthracene	ND	0.330	"							
Dibenzofuran	ND	0.330	"							
1,2-Dichlorobenzene	ND	1.00	"							
1,3-Dichlorobenzene	ND	1.00	"							
1,4-Dichlorobenzene	ND	1.00	"							
3,3'-Dichlorobenzidine	ND	1.00	"							
2,4-Dichlorophenol	ND	0.330	"							
Diethyl phthalate	ND	0.330	"							
2,4-Dimethylphenol	ND	1.00	"							
Dimethyl phthalate	ND	0.330	"							
4,6-Dinitro-2-methylphenol	ND	1.00	"							
2,4-Dinitrophenol	ND	2.00	"							
2,4-Dinitrotoluene	ND	0.500	"							

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Tualatin, OR 97062

Project: McCall / GWI Mounds  
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Project Manager: Brent Jorgensen

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.908.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7568

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### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1030209 - EPA 3550</b>										
<b>Blank (1030209-BLK1)</b>										
Prepared: 03/08/01 Analyzed: 03/09/01										
2,6-Dinitrotoluene	ND	0.500	mg/kg wet	"						
Bis(2-ethylhexyl)phthalate	ND	2.00	"	"						
Fluoranthene	ND	0.330	"	"						
Fluorene	ND	0.330	"	"						
Hexachlorobenzene	ND	0.330	"	"						
Hexachlorobutadiene	ND	1.00	"	"						
Hexachlorocyclopentadiene	ND	1.00	"	"						
Hexachloroethane	ND	1.00	"	"						
Indeno (1,2,3-cd) pyrene	ND	0.330	"	"						
Isophorone	ND	0.330	"	"						
2-Methylnaphthalene	ND	0.330	"	"						
2-Methylphenol	ND	0.330	"	"						
3,4-Methylphenol	ND	0.330	"	"						
Naphthalene	ND	0.330	"	"						
2-Nitroaniline	ND	0.330	"	"						
3-Nitroaniline	ND	1.00	"	"						
4-Nitroaniline	ND	0.330	"	"						
Nitrobenzene	ND	0.330	"	"						
2-Nitrophenol	ND	0.330	"	"						
4-Nitrophenol	ND	1.00	"	"						
N-Nitrosodi-n-propylamine	ND	0.330	"	"						
N-Nitrosodiphenylamine	ND	0.330	"	"						
Pentachlorophenol	ND	1.00	"	"						
Phenanthrene	ND	0.330	"	"						
Phenol	ND	0.330	"	"						
Pyrene	ND	0.330	"	"						
1,2,4-Trichlorobenzene	ND	0.330	"	"						
2,4,5-Trichlorophenol	ND	0.330	"	"						
2,4,6-Trichlorophenol	ND	0.330	"	"						
<i>Surr: 2-Fluorobiphenyl</i>	1.68	"	2.50		67.2	44-146				
<i>Surr: 2-Fluorophenol</i>	3.12	"	5.00		62.4	42-126				
<i>Surr: Nitrobenzene-d5</i>	1.50	"	2.50		60.0	42-126				
<i>Surr: Phenol-d6</i>	3.32	"	5.00		66.4	42-131				
<i>Surr: p-Terphenyl-d14</i>	2.04	"	2.50		81.6	49-150				
<i>Surr: 2,4,6-Tribromophenol</i>	3.37	"	5.00		67.4	48-119				

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21790 SW Chehalis Court  
Tualatin, OR 97062

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Reported:  
03/15/01 16:51

Sampled: 03/08/01 Prepared: 03/08/01 Analyzed: 03/09/01

North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1030209 - EPA 3550

LCS (1030209-BS1) Prepared: 03/08/01 Analyzed: 03/09/01

Acenaphthene	1.78	0.330	mg/kg wet	2.50	71.2	47-145
4-Chloro-3-methylphenol	3.44	0.330	"	5.00	68.8	22-147
2-Chlorophenol	2.90	0.330	"	5.00	58.0	23-134
1,4-Dichlorobenzene	1.46	1.00	"	2.50	58.4	20-124
2,4-Dinitrotoluene	1.83	0.500	"	2.50	73.2	39-139
4-Nitrophenol	3.98	1.00	"	5.00	79.6	0-132
N-Nitrosodi-n-propylamine	1.68	0.330	"	2.50	67.2	0-230
Pentachlorophenol	3.22	1.00	"	5.00	64.4	14-176
Phenol	2.57	0.660	"	5.00	51.4	5-112
Pyrene	1.92	0.330	"	2.50	76.8	52-130
1,2,4-Trichlorobenzene	1.73	0.330	"	2.50	69.2	44-142
<i>Surr: 2-Fluorobiphenyl</i>	1.71		"	2.50	68.4	44-146
<i>Surr: 2-Fluorophenol</i>	3.22		"	5.00	64.4	42-126
<i>Surr: Nitrobenzene-d5</i>	1.69		"	2.50	67.6	42-126
<i>Surr: Phenol-d6</i>	3.35		"	5.00	67.0	42-131
<i>Surr: p-Terphenyl-d14</i>	2.32		"	2.50	92.8	49-150
<i>Surr: 2,4,6-Tribromophenol</i>	4.10		"	5.00	82.0	48-119

Matrix Spike (1030209-MS1) Source: P1C0146-01 Prepared: 03/08/01 Analyzed: 03/09/01

R-05

Acenaphthene	2.45	mg/kg dry	2.88	ND	85.1	47-145
4-Chloro-3-methylphenol	4.94	"	5.77	ND	85.6	22-147
2-Chlorophenol	4.33	"	5.77	ND	75.0	23-134
1,4-Dichlorobenzene	1.87	"	2.88	ND	64.9	20-124
2,4-Dinitrotoluene	1.94	"	2.88	ND	67.4	39-139
4-Nitrophenol	4.38	"	5.77	ND	75.9	0-132
N-Nitrosodi-n-propylamine	2.17	"	2.88	ND	75.3	0-230
Pentachlorophenol	3.46	"	5.77	ND	60.0	14-176
Phenol	3.94	"	5.77	ND	68.3	5-112
Pyrene	2.30	"	2.88	ND	79.9	52-130
1,2,4-Trichlorobenzene	2.12	"	2.88	ND	73.6	44-142
<i>Surr: 2-Fluorobiphenyl</i>	2.43		2.88		84.4	44-146
<i>Surr: 2-Fluorophenol</i>	4.36		5.77		75.6	42-126
<i>Surr: Nitrobenzene-d5</i>	2.20		2.88		76.4	42-126
<i>Surr: Phenol-d6</i>	4.69		5.77		81.3	42-131
<i>Surr: p-Terphenyl-d14</i>	2.93		2.88		102	49-150
<i>Surr: 2,4,6-Tribromophenol</i>	4.67		5.77		80.9	48-119

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Doug McKenzie, Project Manager

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
 425.420.9200 fax 425.420.9210  
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 509.924.9200 fax 509.924.9290  
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
 503.906.9200 fax 503.906.9210  
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
 21790 SW Chehalis Court  
 Tualatin, OR 97062

Project: McCall / GWI Mounds  
 Project Number: N/A  
 Project Manager: Brent Jorgensen

Reported:  
 03/15/01 16:51

Sample ID: 1030209-MSD1 - Prepared by: BLCK - Analyzed by: BLCK

**North Creek Analytical - Portland**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1030209 - EPA 3550**

Matrix Spike Dup (1030209-MSD1)	Source: P1C0146-01		Prepared: 03/08/01		Analyzed: 03/09/01			R-05	
Acenaphthene	2.36	mg/kg dry	2.88	ND	81.9	47-145	3.74	60	
4-Chloro-3-methylphenol	5.05	"	5.77	ND	87.5	22-147	2.20	60	
2-Chlorophenol	4.61	"	5.77	ND	79.9	23-134	6.26	60	
1,4-Dichlorobenzene	1.76	"	2.88	ND	61.1	20-124	6.06	60	
2,4-Dinitrotoluene	1.94	"	2.88	ND	67.4	39-139	0.00	60	
4-Nitrophenol	4.63	"	5.77	ND	80.2	0-132	5.55	60	
N-Nitrosodi-n-propylamine	2.32	"	2.88	ND	80.6	0-230	6.68	60	
Pentachlorophenol	3.55	"	5.77	ND	61.5	14-176	2.57	60	
Phenol	4.12	"	5.77	ND	71.4	5-112	4.47	60	
Pyrene	2.21	"	2.88	ND	76.7	52-130	3.99	60	
1,2,4-Trichlorobenzene	2.07	"	2.88	ND	71.9	44-142	2.39	60	
<i>Surr:</i> 2-Fluorobiphenyl	2.47	"	2.88		85.8	44-146			
<i>Surr:</i> 2-Fluorophenol	4.59	"	5.77		79.5	42-126			
<i>Surr:</i> Nitrobenzene-d5	2.37	"	2.88		82.3	42-126			
<i>Surr:</i> Phenol-d6	4.89	"	5.77		84.7	42-131			
<i>Surr:</i> p-Terphenyl-d14	2.79	"	2.88		96.9	49-150			
<i>Surr:</i> 2,4,6-Tribromophenol	4.52	"	5.77		78.3	48-119			

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BLCK

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**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Reported:  
03/15/01 16:51

Report ID: 1030199-DUP1 Date Sample Received: 03/07/01 Analyzed: 03/08/01

### North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1030199 - Dry Weight

Duplicate (1030199-DUP1)      Source: P1C0146-01      Prepared: 03/07/01 Analyzed: 03/08/01  
% Solids      86.5      1.00 % by Weight      86.7      0.231      20

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425.420.9200 fax 425.420.9210  
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

Creekside Environmental Consulting-Tualatin  
21790 SW Chehalis Court  
Tualatin, OR 97062

Project: McCall / GWI Mounds  
Project Number: N/A  
Project Manager: Brent Jorgensen

Reported:  
03/15/01 16:51

#### Notes and Definitions

- A-01 Detected hydrocarbons are mainly due to overlap from the heavy/oil range; however, there is a trace of weathered diesel detected.
- D-17 Detected hydrocarbons in the diesel range do not have a distinct diesel pattern and may be due to heavily weathered diesel or possibly biogenic interference.
- R-02 The reporting limit for this analyte was raised due to the high analyte concentration present in the sample.
- R-05 Reporting limits raised due to dilution necessary for analysis. Sample contains high levels of reported analyte, non-target analyte, and/or matrix interference.
- R-07 Reporting limit raised due to dilution necessary for analysis. Reporting limit adjusted to report quantitation below the MRL, but within the calibration range.
- S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.
- wet Sample results reported on a wet weight basis
- RPD Relative Percent Difference

North Creek Analytical - Portland

*BLC*

Doug McKenzie, Project Manager

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## CHAIN OF CUSTODY REPORT

Work Order #: P1C0146

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132  
 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
 (425) 420-9200 FAX 420-9210  
 (509) 924-9200 FAX 924-9290  
 (503) 906-9200 FAX 906-9210  
 (541) 383-9310 FAX 382-7588

CLIENT: Creekside Environmental				INVOICE TO:	Same										TURNAROUND REQUEST in Business Days*					
REPORT TO: Brent Jorgenson														Organic & Inorganic Analyses						
ADDRESS: 21790 SW Chehalis Court Tualatin, Oregon 97062														10 7 5 4 3 2 1 <1						
PHONE: 503-692-8118 FAX: 503-885-9702														STD. Petroleum Hydrocarbon Analyses						
PROJECT NAME: McCall				P.O. NUMBER:										5 4 3 2 1 <1						
PROJECT NUMBER: piles														STD. Please Specify						
SAMPLED BY: SC				REQUESTED ANALYSES										OTHER						
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NTF-DX	8260 Volatiles	8270 Semivolatiles	PPAPG	metals Total									MATRIX (W, S, O)	# OF CONT.	COMMENTS			ID
1. MOC-3-6-01-001	3/6/01	X	0	0	0										S	1				
2. MOC-3-6-01-002	3/6/01	X	0	0	0										S	1	Please			
3. MOC-3-6-01-003	3/6/01	X	0	0	0										S	1				
4. MOC-3-6-01-004	3/6/01	X	0	0	0										S	1	RJ54			
5. MOC-3-6-01-005	3/6/01	X	0	0	0										S	1	RJ54			
6. MOC-3-6-01-006	3/6/01	X	0	0	0										S	1				
7. MOC-3-6-01-007	3/6/01	X	0	0	0										S	1				
8. MOC-3-6-01-008	3/6/01	X	0	0	0										S	1				
9.																				
10.																				
11.																				
12.																				
13.																				
14.																				
15.																				
RELINQUISHED BY: C															RECEIVED BY: Rachel Arriola					DATE: 3/7/01
PRINT NAME: Sean Callin	FIRM: Creekside														PRINT NAME: Rachel Arriola	FIRM: NCA				TIME: 10:51
RELINQUISHED BY:															RECEIVED BY:					DATE:
PRINT NAME:	FIRM:														PRINT NAME:					TIME:
ADDITIONAL REMARKS: Composite samples	a Added 03/07/01 per Sean Callin - DGM.														TEMP:	1	1			
COC REV 3/00																				

**ATTACHMENT E**  
**SITE PHOTOGRAPHS**



**Photo #1 – Looking northeast at former pile location**



**Photo #2 – Looking northwest at partial piles**



**Photo #3 – Looking south toward piles and GWI warehouse**



**Photo #4 – Excavation of north pile, looking west**



Photo #5 –Looking west from south piles